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This publication contains: 1)an alphabetical listing of all chemicals which have been, or are being handled under the Special Review Process, 2) an alphabetical listing of the chemicals which have been through or are now active in the Registration Standard Development Process, and 3) identification by cluster of the chemicals whichhave been through or are being processed in the Data Call-In Program.

This listing is intended to give the dates and status of a chemical and is updated semi-annually. Users of this document are encouraged to contact the appropriate Product Manager (PM) or Branch Chief, as noted, if they have any questions regarding the entries in this listing.

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PREFACE

This publication contains: 1) an alphabetical listing of all chemicals which have been, or are in the Special Review Process (formerly called the Rebuttable Presumption Against Registration or "RPAR" process; the change of name to "Special Review" was proposed in the Federal Register notice of March 27, 1985), 2) an alphabetical listing of the chemicals which have been through or are now active in the Registration Standard Development Process, and 3) identification by cluster of the chemicals which have been through or are being processed in the Data Call-In program. These programs are managed by the Registration Division, Office of Pesticide Programs, Office of Pesticides and Toxic Substances, Environmental Protection Agency (EPA).

This listing is intended to give the dates and status of a chemical and is updated annually. Users of this document are encouraged to contact the appropriate PM or Branch Chief, as noted, if they have any questions or corrections regarding the entries in this listing.

Sections of the law referred to in this document are from the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended 7 U.S.C. Section 136.

All chemicals are listed by the names under which they were or are being reviewed. Other widely used common or chemical names may also appear in the Index.

Copies of most of the position documents (PD) and Registration Standards are available from the National Technical Information Service (NTIS), U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, 487-4600. The accession number and costs for paper copy and/or microfiche are cited for those documents presently available from NTIS.

When requesting documents from the NTIS, state the name of the document, the NTIS publication (PB) Accession Number, enclose proper payment (check payable to NTIS) and provide a return mailing address.

SPECIAL REVIEW PROCESS

On November 27, 1985, the Agency promulgated a final rule which sets forth new criteria for the initiation of a Special Review. These criteria asure that the determination of whether or not a pesticide poses an unreasonable risk will be based both on the toxic effects associated with the pesticide and the actual or projected exposure of humans and nontarget organisms to the pesticide.

The criteria for initiating a Special Review of pesticide uses include:

1. Acute toxicity to humans or domestic animals.
2. The potential of adverse chronic effects in humans.
3. Hazards to nontarget organisms.
4. Separate criteria for hazards to threatened or endangered species.
5. An "other adverse effects" criterion which would permit the Agency to initiate a Special Review in circumstances where potential risks may not be anticipated by the specific criteria.

When the Agency concludes tentatively that effects data, together with preliminary information on exposure, indicate that a risk criterion may have been met, registrants receive private notification that the Agency is considering issuing a Notice of Special Review. Issuance of the private notification will be deemed to be the commencement of the pre-Special Review phase of the process. The registrant has 30 days to dispute the validity of the Agency's conclusions.

If, after notification to the registrants, the Agency tentatively determines that use of the pesticide does not pose a significant risk, a Federal Register notice is issued which explains the Agency's determination that the use of the pesticide does not pose a significant risk. This notice also announces the availability of the public docket, which includes the pre-Special Review notification and all written information received in response to the notification. The notice will also solicit public comment on the Agency's determination. Following the public comment period, the Agency will make a final decision whether to initiate a Special Review.

If the Agency determines that a significant risk may be associated with a pesticide use, a Notice of Special Review will be published in the Federal Register. This notice describes the Agency's reasons for the determination of significant risk, the assumptions and data used in the analysis, the nature and strength of the conclusions, and will announce the availability of the pre-Special Review docket. The Notice will also solicit public comment and request additional information on the pesticide.

If the Agency determines that a pesticide may pose a significant risk and decides to initiate the Special Review process, a Current Benefits Review is also initiated.

After the Notice of Special Review is issued, the Agency may meet with interested parties to discuss the Agency's risk concerns and available options to reduce the potential risk to health or the environment.

The Agency will conduct a comprehensive Risk/Benefit analysis of each use of the pesticide

which is subject to Special Review. Potential risks are evaluated by considering factors such as:

--the nature of any adverse effect;
--the magnitude of exposure of humans and other nontarget organisms; and
--the size of the population at risk.

The benefits of use are also evaluated by including the availability, efficacy, and cost of alternative control methods.

If the registrants voluntarily amend their registrations in a manner which would reduce the risks associated with continued use to acceptable levels, a Notice of Preliminary Determination is published in the Federal Register describing the Agency's previous risk concerns and giving the basis for the Agency's proposed voluntary resolution of these concerns. If the registrants have not offered voluntarily to amend the terms and conditions of registration in a manner which would reduce the risks to an acceptable level, the Agency will issue a Notice of Preliminary Determination setting forth regulatory measures necessary to reduce risks to an acceptable level and a proposed notice of intent to cancel, deny, or reclassify registration implementing these measures. The Agency will issue its preliminary determination for publication in the Federal Register and provide an opportunity for public comment.

If the Agency proposed to issue a cancellation, denial, or reclassification notice, that proposal is submitted to the Scientific Advisory Panel (SAP) for comment on the Agency's scientific rationale. At the same time, the Agency submits the proposed notice to the United States Department of Agriculture (USDA) for comment, especially on the benefits issues and agricultural impacts.

After evaluating all comments received from the USDA, the SAP, and the public on the proposed action, the Agency will modify the proposal where appropriate prior to issuance as a final action. A Notice of Final Determination is published in the Federal Register, along with a Notice of Intent to Cancel, Deny, or Reclassify Registration if required to implement the determination. Any such notice becomes effective by operation of law unless the registrant makes the necessary corrections or a hearing is timely requested by a person adversely affected by the notice.

REGISTRATION STANDARDS

The Registration Standards program is EPA's approach to the reassessment and reregistration of pesticide products as mandated by Congress in FIFRA Section 3 (g). The reassessment involves a thorough review of the scientific data base underlying pesticide registrations and an identification of essential but missing scientific studies which may not have been required when the product was initially registered. It may also require new testing or retesting to ensure the safety of the compound by contemporary scientific standards.

The standards process involves making broad regulatory decisions at one time for a group of pesticide products containing the same active ingredient rather than on a product-by-product basis. About 600 active ingredients, representing 48,139 currently-registered products could potentially require Registration Standard review. However, given assumptions about chemicals not requiring review due to voluntary cancellations, suspensions, and other reasons, the actual number of standards to be developed is substantially less than that. This approach to reregistration is intended to simplify and streamline the regulatory process for both the Agency and pesticide registrants and to assure the public that all registrations are supported by a complete and valid scientific data base.

To establish the sequence of processing the approximate 600 active ingredients through the Registration Standard review, active ingredients that have similar use(s) have been clustered into 48 groups. The groups are being processed in a sequence resulting from their ranking in an equation based on production, human exposure, and ecological exposure factors. The ranking scheme was developed based on consideration of market competition, availability of in-depth data on alternatives should the need for a Special Review arise, and efficient use of EPA resources.

Each standard explains EPA's regulatory position on the use of the active ingredient in all pesticide products containing that same chemical. The standard contains an analysis of the data on which the regulatory position is based, describes the rationale for the regulatory position, and states the conditions that must be met to obtain pesticide product registration.

The relationship of the Registration Standards process with the Special Review process is that if the analysis of the data shows that a Special Review criterion has been met, then the standard is issued announcing that a Special Review will be initiated for some or all of the uses of the chemical and a proposed regulatory decision will be issued.

Registration Standards are developed in three phases: (1) Data Gathering, (2) Data Evaluation, and (3) Regulatory Position Development followed by the issuance of the Registration Standard Guidance Package. For convenience, phases 2 and 3 are combined in this report and the issued documents are identified separately in the attached listing.

(1) Data Gathering: The bibliography consists of all data in Agency files pertaining to the chemical, except that in most cases efficacy data are not listed. The bibliography will also include any government studies (such as NCI studies) which have been conducted on the chemical and other relevant material identified by Agency scientists.

Agency scientists identify which studies should be reviewed; after which, hard copy of all requested studies are retrieved from Agency files and provided to Agency scientists for review. The data gathering phase lasts about five months.

Once the data-gathering phase is completed, and the use information is developed, the data evaluation phase is ready to begin.

(2) Data Evaluation: At the onset of the Data Evaluation phase, the Project Support Team, which consists of all Agency staff involved in the Registration Standard review (Registration/reregistration Product Manager, use experts, data retrieval experts, and Agency scientists) meet to exchange information regarding the chemical from a regulatory and scientific perspective. This meeting is designed to provide a context in which the scientists conduct their review. Knowledge of the regulatory history, the growth patterns of the chemical's use, general understanding of the completeness of the data base, and discussion of any past regulatory/health problems will help focus the review and increase the scientists' effectiveness.

With this perspective, scientists review data in each of five disciplines: product chemistry, environmental fate, residue chemistry, toxicology, and ecological effects. Efficacy data are reviewed only for products which control infectious microorganisms and the growth of aflatoxins. The scientists document their review of each study which they consider relevant, prepare a summary of what is known about the chemical in their respective discipline. Scientists also identify gaps in the data base which should be filled to enable a complete scientific assessment to be made. While the 40 CFR Part 158 guidelines* (currently proposed) are used as guidance to make the determination of data gaps, each chemical is reviewed individually to determine, given its particular use patterns and what is already nown about it, what additional data are needed. If the resulting data needs differ from those in the Guidelines, the scientist provides written justification for the deviation. Depending on the size of the data base involved in the review, this phase usually lasts from six to ten months.

(3) Development of Regulatory Position and Issuance of Guidance Package: Once the Science review is completed and scientists have recommended which additional data they believe are necessary to complete the review, the Project Support Team reconvenes to identify the appropriate regulatory position for the chemical (that is, what percent active ingredient, formulations, uses, etc. are registrable under the Standard and whether regulatory restrictions such as label warnings or use by certified applicators only are required). They also develop the rationale for the regulatory position and determine the data requirements which need to be imposed to complete the review. Included in this phase is the tolerance reassessment which may result in the initiation of rulemaking to increase or decrease tolerance levels. A document summarizing these findings, including the proposed regulatory position and rationale, data requirements, scientific summaries, and bibliography, is then circulated to support team members and Agency management for review.

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*See p. vi for specific citation.

After the document is approved, study reviews and science summaries are placed in Agency records for retrieval during subsequent reviews of the chemical (e.g., registration amendments) as their availability is expected to expedite the processing of future reviews. Copies of the study reviews and the science summaries are available through OPP's Freedom of Information Section. The regulatory position/rationale, data requirements, and bibliography are sent to the registrant in a document known as a Guidance Package which cites the authority of Section 3(c)(2)(B) and Section 3 (g) of FIFRA. Reregistration occurs when the registrant agrees to comply with the data requirements, submits an updated Confidential Statement of Formula if needed, agrees to comply with any regulatory restrictions placed on the chemical, agrees to compensate other registrants for data considered relevant to the Standard, and provides labelling reflecting completion of any product chemistry and acute toxicity data requirements.

Issuance of the Standard: The standard is issued to the registrants and made available to the public through the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22152, telephone 703-487-4650. Microfilm copies are available for $4.50; the price of paper copies varies according to the length of the document. Please furnish NTIS with the report title and the NTIS order/report number (PB Number) when ordering.

THE DATA CALL-IN PROGRAM

The Data Call-In Program requires existing registrants of active pesticide chemicals to provide the Agency with needed studies under Section 3(c)(2)(B) of FIFRA. Such studies, including chronic toxicology, product chemistry, residue and environmental fate data are an integral part of the data base used to reassess each chemical during the reregistration process or to resolve special concerns such as whether the chemical enters groundwaters.

The purpose of Data Call-In is to assure that these data are available or well underway before the pesticide chemical is reassessed for reregistration under Section 3(g) or other purposes.

The four types of long-term toxicological data which have been traditionally requested consist of Chronic Feeding, Oncogenicity, Reproduction and Teratogenicity (informally referred to as the CORT studies). These studies are described in the Toxicology Data Requirements' part of the "Pesticide Registration: Proposed Data Requirements" regulation.* The product chemistry, residue, and environmental fate studies are also described in this regulation.

*The Pesticide Registration Guidelines were reproposed as Part 158, 40 CFR on November 24, 1982, in 47 Federal Register 53192.

Under the Data Call-In Program, the Agency: (1) determines which types of data are required for each chemical, based on its use patterns and other factors; (2) identifies those test categories with no valid data submitted; and (3) ensures that studies are initiated by registrants of the pesticide to fill those data gaps.

In general, the sequence of processing the active ingredients through the Data Call-In Process is based on the priority cluster ranking in which active ingredients that have a similar use(s) are clustered into about 50 groups and the groups are processed in sequence. A notice of the availability of the final cluster ranking was published in the Federal Register, 47 FR 3770, January 24, 1982. The cluster ranking is not followed when special concerns arise about a chemical or a particular group of chemicals. During FY 85, the program will be focused on processing the remaining food-use chemicals.

In each Notice, the registrant can request the Agency to exempt or waive any or all of the specified data requirements. Registrants may request changes of or exemptions from the data requirements because:

1. They believe they are a formulator or end-user.
2. They determine that their chemical involves only minor exposure and production. In addition, registrants may cite economic factors as precluding its capacity to incur the costs of testing.
3. They wish to remove all registered uses which involve food crops/products and/or significant repeated exposure to humans and the environment.
4. They believe the data requirements do not apply to the registered uses of their product(s).

If the Agency does not grant the change(s) or exemption(s), the registrants must arrange to comply with the Notice.

If a registrant does not respond or comply with the Data Call-In Notice, the Agency issues an Administrative Notice (NOIS-Notice Of Intent to Suspend) compelling the registrant to stop distributing the particular pesticide product(s) until compliance with the Notice occurs. The actual effect of a NOIS is to put a registration "on hold" until such time as the registrant wishes to comply with the notice and make his registration active. Any such NOIS issued under Section 3(c)(2)(B) is rescinded when the Agency is informed and agrees that compliance occurs. Such NOIS's never, independently, result in cancellations and are therefore clearly different from the FIFRA Section 6 suspensions which can later become cancellations and cause the withdrawal of pesticide products from the market. This report gives the status of chemicals and clusters being processed through Data Call-In. The status includes whether a Notice or equivalent has been issued and whether the Agency has reached a final decision on all the waivers, exemptions, cancellations, commitments and offers received from registrants.

OTHER REGISTRATION ACTIVITIES*

Included for the first time in this report are registration activities that have previously been included in the Registraton Division's FY Annual Report; thus, the reporting period for these registration activities is 10/1/86 through 9/30/87. The activities included are: Pesticide Program Accomplishments; Pesticide Program Final Decisions; New Chemicals Registered; Number of Active Registrations; Tolerances for Regional Registrations; and Genetically Altered and Nonindigenous Microbial Pesticides.

(1) Pesticide Program Accomplishments (PPAs) in FY 87: At the end of FY 87, the Old Chemical, Amendment, New Use and Emergency Exemption PPAs had exceeded the Integrated Work Plan End of Year accomplishments target. The decline in receipts in the New Chemical, Experimental Use Permit (EUP), Temporary Tolerance, Tolerance and Inert PPAs accounted for, in large measure, their shortfall against target accomplishments. The New Biochemical and Special Local Need (SLN) targets were higher than actual receipts. The average turnaround time for completion of application reviews exceeded the target in the New Chemical, Old Chemical, EUP, Temporary Tolerance and Inert PPAs. (Refer to the table under this caption.)

(2) Strategic Planning and Management System (SPMS) Accomplishments in FY 87: These are Agency measures and include only the Final Decision for each active ingredient, product or application as appropriate. This decision could be one of registration, conditional registration, withdrawal, denial, granting, or issuing. (Refer to the table under this caption).

(3) New Chemicals Registered in FY 87: A total of nine new chemicals were registered between 10/1/86 and 9/30/87. (Refer to the table under this caption.)

(4) Number of Active Registrations: The number of products registered under FIFRA stands at 48,139 as of 9/30/87. (Refer to the table under this caption.)

(5) Tolerances Established for Regional Registrations Issued in FY 87: Tolerances for regional registrations are usually established under the auspices of the IR-4 Minor Use program. The IR-4 Minor Use program which is supported by USDA provides natonal leadership, coordination, and a focal point for pesticide clearance of commodities that do not offer an adequate monetary incentive for the pesticide industry to pursue the necessary tolerances on their own. The regional registrations are those that are limited to specific geographic areas, usually involving one or a few states. (Refer to the table under this caption.)

*This section, "Other Registration Activities" during prior years had previously been included in the Registration Division's Annual Report.

(6) Genetically Altered and Nonindigenous Microbial Pesticide Activities in FY 87: A coordinated framework for regulating biotechnology was published in the Federal Register on June 26, 1986 (51 FR 23313). For FY 87, RD processed six notifications, one EUP application and one informal review. (Refer to the table under this caption.)

OFFICE OF PESTICIDE PROGRAMS DOCUMENTS

The Office of Pesticide Programs (OPP) has compiled a list of documents that can be purchased at the National Technical Information Service (NTIS). The list includes the following types of OPP publications:

- Position Document Report
- Pesticides Product Information Microfiche Report
- Hazard Evaluation Division Guidelines Report
- Hazard Evaluation Division Standard Evaluation Procedures Report
- Fact Sheets Report
- Miscellaneous/Publications/Documents Report
- Registration Standard Report

This list, which provides information such as: the NTIS number, EPA number, fiche-copy price, and hard-copy price, is available to the public upon request by telephone at the following numbers: (703) 557-4460 or 557-4474 or by mail to the following address:

Document Management Section, ISB
Program Management and Support Division
Office of Pesticide Programs
Environmental Protection Agency
401 M Street S.W.
Washington, D.C. 20460

SPECIAL REVIEWS ISSUED

SEPTEMBER 1987

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
ALACHLOR (Special Review Br.)	o Oncogenicity	o PD 1 published 50 FR 1115 on 1/9/85; comment period closed 4/9/85: NTIS# PB85-175503. Press release published on 1/3/85. o PD 2/3 published 51 FR 36166 on 10/8/86; comment period closed 12/8/86: NTIS# PB-87-181319. o PD 4 scheduled for issuance 11/87.
ALDICARB (Special Review Br.)	o Acute Toxicity	o PD 1 published 49 FR 28320 on 7/11/84; comment period closed 9/11/84. (NTIS # not available) o PD 2/3 scheduled for issuance in FY 88.
AMITROLE (Special Review Br.)	o Oncogenicity	o PD 1 published 49 FR 20546 on 6/15/84; comment period closed 7/11/84: NTIS# PB8718717. o A proposed decision scheduled in late FY 88.
CAPTAFOL (Special Review Br.)	o Oncogenicity o Wildlife Effects (acute and chronic)	o PD 1 published 50 FR 1103 on 12/9/84; comment period closed 1/31/85: NTIS# PB85-175495. Press release published on 1/3/85. o All registrations voluntarily cancelled as of 5/15/87. o Decision to terminate special review published 52 FR 27576 on 7/22/87.
CAPTAN (Special Review Br.)	o Oncogenicity o Mutagenicity o Other Chronic Effects	o PD 1 published 45 FR 54938 on 8/18/80; comment period closed 12/1/80: NTIS# PB81 109449.

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
CAPTAN (cont'd) (Special Review Br.)	o Oncogenicity o Mutagenicity o Other Chronic Effects	o PD 2/3 published 50 FR 25885 on 6/21/85; comment period closed 8/5/85: NTIS# PB87-11801. o PD 4 tentatively scheduled for issuance by 4/88.
CARBOFURAN (Special Review Br.)	o Wildlife Effects	o PD 1 published 50 FR 41938 on 10/16/85; comment period closed 12/2/85: NTIS# PB87-186771. o PD 2/3 scheduled for completion in 3/88.
CHLORDIMEFORM (Special Review Br.)	o Oncogenicity	o PD 1/2/3 scheduled for issuance by 1/88.
CYANAZINE (Special Review Br.)	o Teratogenicity	o PD 1 published 50 FR 6560 on 4/10/85; comment period closed 5/27/85: NTIS# PB87-117982. o PD 2/3 published 52 FR 589 on 1/17/87 comment period closed 3/9/87: NTIS# PB87-181400. o Final Determination scheduled for issuance by 11/87.
1,3-DICHLOROPROPENE (Special Review Br.)	o Oncogenicity	o PD 1 published 51 FR 36161 on 10/8/86; comment period closed 12/8/86. (NTIS # not available) o PD 2/3 scheduled to be issued in FY 89.
DAMINOZIDE (Special Review Br.)	o Oncogenicity	o PD 1 published 49 FR 29136 on 7/18/84; comment peirod closed 8/31/84. (NTIS # not available) o Draft PD 2/3/4 issued on 9/12/85.

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DAMINOZIDE (cont'd) (Special Review Br.)	o Oncogenicity	o Data call-in issued on 2/10/86. Determination of final decision pending receipt of interim data in 1987 and 1988 or final report in 1989.
DINOCAP (Special Review Br.)	o Teratogenicity	o PD 1 published 50 FR 1119 on 1/9/85; comment period closed 2/22/85. (NTIS # not available) o PD 2/3 published 51 FR 39577 on 10/29/86; comment period closed 12/29/86: NTIS# PB-87-178844. o Final decision scheduled for issuance by 12/87.
ETHYLENE DITHIO-CARBAMATES EBDC's (Special Review Br.)	o Oncogenicity o Thyroid Effects o Teratogenicity	o PD 1 published 52 FR 27172 on 7/17/87; comment period closed 9/30/87. (NTIS # not available) o Press release issued 7/13/87.
ETHYLENE OXIDE EtO (Special Review Br.)	o Oncogenicity o Mutagenicity o Testicular Effects	o PD 1 published 43 FR 3801 on 1/27/78; comment period closed 5/15/78: NTIS# PB80-213903. o Schedule for label amendments are pending passage of FIFRA Amendments. o Data Call-in issued on 5/86 for spices and food commodities. o Data has been received and final determination of data to be made by 3/88.

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
INORGANIC ARSENICALS (non-wood use) (Special Review Br.) See index for list of chemicals	o Oncogenicity o Mutagenicity o Teratogenicity	o PD 1 published 43 FR 42867 on 10/18/78; comment period closed 2/12/79: NTIS# PB87-1327. o PD 2/3 (which excludes the four uses listed below) published 52 FR 132 on 1/2/87; comment period closed 2/17/87; (NTIS # not available) o PD 2/3 (which will addresses: turf herbicide use of calcium arsenate; grapefruit growth regulator use of lead arsenate; grape fungicidal use of sodium arsenite; and desiccant use of arsenic acid) scheduled to be issued FY 4/88. These uses are being deferred pending reevaluation of risk assessment of carcinogenic potency of inorganic arsenic as it relates to dermal and dietary exposure. o PD 4 to be issued by 1/88.
LINURON (Special Review Br.)	o Oncogenicity	o PD 1 published 49 FR 37843 on 9/26/84; comment period closed 11/10/84: NTIS# PB-85174654. o PD 2 or 2/3 scheduled to be issued by 12/87.
TPTH (Special Review Br.)	o Teratogenicity	o PD 1 published 50 FR 1107 on 1/9/85; comment period closed 2/22/85: NTIS# PB85-175487. o Press release published on 1/3/85. o Data call-in for additional data scheduled to be issued by 11/87.

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
TRIBUTYLTINS (Special Review Br.) see index for list of chemicals	o Acute and Chronic Toxicity to Nontarget and Aquatic Organisms	o PD 1 published 51 FR 778 on 1/8/86; comment period closed 2/24/86: NTIS# PB87-186763. o Notice of Intent to Suspend scheduled to be issued 4/13/87. o PD 2/3 to be issued 10/87. o PD 4 scheduled to be issued by late FY 88.
2,4,5-TRICHLOROPHENOL TCP (Special Review Br.)	o Oncogenicity o Fetotoxicity	o PD 1 published 42 FR 41268 on 9/15/78; comment period closed 11/17/78: NTIS# PB81-103111. o Some voluntary cancellations and reformulations being processed. o 3(c)(2)(B) letter issued in FY 85 requesting updated Confidential Statement of Formula and an analysis for dioxin contamination. o All uses have been voluntarily cancelled or suspended. o PD 2/3/4 published 52 FR 15549 on 4/29/87: NTIS# PB87-203113.

FINAL ACTIONS
VOLUNTARY CANCELLATIONS

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
ACRYLONITRILE (three products)	o Oncogenicity o Teratogenicity o Neurotoxicity	o 43 FR 26310 (6/19/78).
ARSENIC TRIOXIDE	o Oncogenicity o Mutagenicity o Teratogenicity	o 42 FR 45944 (9/13/77) (some uses were cancelled).
BENZENE (all products)	o Oncogenicity o Mutagenicity and Blood Disorders	o Voluntary cancellations for all products was completed by 7/31/85.
BHC	o Oncogenicity	o 43 FR 31432 (7/21/78) NTIS# PB80-216781.
CAPTAFOL	o Oncogenicity	o All products voluntarily cancelled on 5/15/87.
CARBON TETRACHLORIDE	o Oncogenicity o Toxic effects on liver and kidneys	o 51 FR 21811 (1/12/86).
CHLORANIL	o Oncogenicity	o 42 FR 3702 (1/19/77).
CHLORDECONE Kepone (Products of six formulators)	o Oncogenicity	o 42 FR 38205 (7/27/77) NTIS# PB80-216773.
COPPER ACETOARSENITE	o Oncogenicity o Mutagenicity o Teratogenicity	o 42 FR 18422 (4/7/77).

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FINAL ACTIONS
VOLUNTARY CANCELLATIONS

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
COPPER ARSENATE (Basic) (all products)	o Oncogenicity	o 42 FR 18422 (4/7/77).
ENDRIN	o Reduction in Endangered Species and Non-Target Species	o 49 FR 42792 (10/24/84).
EPN	o Neurotoxicity o Hazard to Aquatic Organisms	o All products voluntarily cancelled on 7/24/87.
ERBON	o Oncogenicity o Teratogenicity o Fetotoxicity	o 45 FR 58770 (10/4/80).
ISOCYANURATES (some products)	o Kidney effects	o Registrants have undertaken numerous toxicological studies. The last study was completed 2/86.
MONURON (some products)	o Oncogenicity	o 42 FR 41320 (8/16/77).
NITROFEN (TOK)	o Teratogenicity o Mutagenicity o Oncogenicity	o All products voluntarily cancelled on 9/15/83.
OMPA Octamethylpyrophosphoramide	o Oncogenicity	o 41 FR 21859 (5/28/76).

FINAL ACTIONS
VOLUNTARY CANCELLATIONS

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
PENTACHLOROPHENOL	o Oncogenicity o Fetotoxicity o Teratogenicity	o 52 FR 2282 (1/21/87).
PERTHANE (many products)	o Oncogenicity	o 45 FR 41694 (6/20/80).
PHENARSAZINE CHLORIDE	o None	o 42 FR 59776 (11/21/77).
RONNEL (many products)	o Oncogenicity	o 51 FR 2953 (1/22/86).
SAFROLE	o Oncogenicity o Mutagenicity	o 42 FR 11039 (2/25/77). o 42 FR 16844 (3/30/77). o 42 FR 29957 (6/10/77).
SODIUM ARSENITE (two products)	o Oncogenicity o Mutagenicity o Teratogenicity	o 43 FR 48267 (10/18/78).
STROBANE	o Oncogenicity	o 41 FR 26607 (6/28/76).
TRYSBEN	o Oncogenicity	o 43 FR 5782 (2/9/78).

NOTICE OF INTENT TO CANCEL/SUSPEND ISSUED — SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
ALDRIN	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 39 FR 37246 (10/18/74) (cancellation of most uses).
CHLORDANE/HEPTACHLOR	o Carcinogenicity o Reductions in Non-target and endangered species	o 43 FR 12372 (3/24/78) (cancellation of most uses). o 8/11/87 agreement on future sale of products dependent upon use patterns resulting in no detectable indoor air levels. o 10/1/
CHLORDECONE Kepone	o Oncogenicity	o 42 FR 18885 (4/11/77).
DBCP	o Oncogenicity o Mutagenicity o Reproductive Effects	o 44 FR 65135 (10/29/79) (cancellation of all uses except pineapple).
DDD (TDE)	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 36 FR 5254 (3/18/71).
DDT	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 37 FR 13369 (7/7/72) (cancellation of most uses).

NOTICE OF INTENT TO CANCEL/SUSPEND ISSUED — SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
DIELDRIN	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 39 FR 37246 (10/18/74) (cancellation of most uses). o All registrants agreed to voluntary cancellation.
DINITRAMINE	o Oncogenicity	o Notice of Intent to Suspend issued under Section 3(c)2(B) on 9/28/82.
EPN	o Hazard to aquatic organisms	o 43 FR 39447 (8/31/83). Mosquito larvacide use cancelled.
MIREX	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 41 FR 56703 (12/29/76).
RONNEL	o Oncogenicity	o Notice of Intent to Suspend issued under Section 3(c)2(B) on 9/23/85.
2,4,5-T/SILVEX	o Oncogenicity o Teratogenicity o Fetotoxicity	o 44 FR 15874 (3/15/79). NTIS# PB80-225923 (2,4,5-T). NTIS# PB80-226376 (Silvex). Hearings ended 2/85. Final cancellation effective.

NOTICE OF INTENT TO CANCEL/SUSPEND ISSUED — SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
TOXAPHENE	o Oncogenicity o Hazard to Wildlife and other chronic effects o Reduction in Non-target organisms	o 47 FR 53784 (11/29/82). All uses cancelled except cattle and sheep dip, emergency use on cotton and small grains, pineapples, and bananas.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
CACODYLIC ACID AND SALTS (PM-23)	o Oncogenicity o Mutagenicity o Teratogenicity	o Insufficient evidence to issue a Special Review. o Decision document published 47 FR 20376 on 5/12/82. (NTIS # not available.) Returned to the registration process in 12/81 with the stipulation that pursuant to FIFRA Section 3(c)(2)(B), data on the rate of dermal absorption be submitted, knapsack/hand sprayer applicators treating ditch banks and rights-of-way will wear respirators or masks, and labels recommend masks for homeusers employing knapsacks or hand sprayers. The data has been submitted and the Agency has not imposed labeling changes.
CARBARYL (PM-12)	o Oncogenicity o Mutagenicity o Teratogenicity	o Decision document published 45 FR 81869 on 12/12/80: NTIS# PB87-181301. The Agency has returned this compound to the registration process with the stipulation that the following measures be considered: (1) a Section 3(c)(2)(B) action that registrants remedy data gaps identified in pre-special review and (2) appropriate label changes be made to minimize exposure to Carbaryl. Both measures are being considered in the reregistration review of this chemical. o Registration Standard issued 3/30/84.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
CHLOROFORM Trichloro-methane (PM-32)	o Oncogenicity	o PD 1 published 41 FR 14588 on 4/6/76; comment period closed 7/23/76. (NTIS # not available) o Decision Document published 48 FR 498 on 1/5/82: NTIS# PB82-240300. The Agency determined that applicator exposure had been reduced to a minimum as a result of label amendments. Also registrants were required to submit data to establish tolerances of permissible residues on raw agricultural commodities.
DICHLORVOS DDVP 2,2-dichlorovinyl dimethyl phosphate (PM-15)	o Oncogenicity o Mutagenicity o Reproductive Effects o Fetotoxicity o Neurotoxicity	o Decision document published 47 FR 45075 on 10/13/82: NTIS# PB-87181335. o Returned to the registration process on 9/29/82, stating that the Agency will reassess carcinogenic potential and the need for additional oncogenicity data upon completion of an in-progress bioassay which is still in progress at RTP. Additional tests on mutagenicity were required. These These tests are presently under review.
DIFLUBENZURON Dimilin (PM-17)	o Hazard to Wildlife	o Special Review action completed in 4/79. Decision Document issued 9/30/82: NTIS# PB87-187191. Registrant consented to restricted use. o Agency concluded that existing evidence does not support issuance of a Special Review and consequently, that a Special Review was not warranted.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
MALEIC HYDRAZIDE MH (PM-25)	o Oncogenicity o Mutagenicity o Reproductive Effects	o PD 1 published 42 FR 56920 on 10/28/77; comment period closed 12/14/77: NTIS# PB80-216740. o Decision document published 48 FR 498 on 1/5/82: NTIS# PB82-240300. This action returned Maleic hydrazide and salts (K-MH, DEA-MH) to registration process. The Notice has been combined with Chloroform (see Chloroform). o All required data has been submitted to the Agency. o Registrants decided not to perform similar tests on DEA-MH and thus DEA-MH was suspended 11/81.
METHANEARSONATES includes Amine Methanearsonate, Calcium Acid Methanearsonate, Monoammonium Methanearsonate (MAMA), Monosodium Methanearsonate (MSMA) Disodium Methanearsonate (DSMA) (PM-23)	o Oncogenicity o Mutagenicity	o On 6/28/83 the pre-Special Review for Methanearsonate chemicals was completed and a decision memorandum was approved returning these chemicals to the normal registration process. The existing evidence was inadequate to initiate a Special Review for the chemicals. o 3(c)(2)(B) letter sent 9/26/83 requiring a chronic feeding, oncogenicity, teratology, and applicator exposure studies in order to determine if there are any risk concerns. o Company is presently conducting the studies.
NALED (PM-16)	o Mutagenicity o Fetotoxicity o Reproductive Effects	o Chemical returned to normal registration process on 6/30/83. Based on a review of all available data, no valid tests or definitive evidence exist

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
NALED (cont'd) (PM-16)	o Mutagenicity o Fetotoxicity o Reproductive Effects	which meet or exceed the Special Review risk criteria. o Per registration standard, additional tests are required and due 6/86; and will be reviewed to determine whether there are any risks of concern.
OBPA (10,10'-Oxybisphenoxarsine) (some uses) (PM-21)	o Arsenical Compound suspected: . Oncogenicity . Mutagenicity . Teratogenicity	o Decision Document issued 4/9/79. (NTIS # not available) Returned to the registration process due to no evidence of oncogenicity.
PARAQUAT (PM-25)	o Emergency Treatment o Chronic Effects	o Decision document published 47 FR 45075 on 10/23/82: NTIS# PB87-181392. Outlines data gaps and voluntary cancellation of certain noncrop use sites.
PIPERONYL BUTOXIDE (PM-17)	o Oncogenicity	o Decision document published 47 FR 20376 on 5/12/82: NTIS# PB83-137901. Chemical returned to the registration process and a Section 3(c)(2)(B) Notice requesting additional data issued on 9/30/82. o Agency has received commitments from certain registrants to conduct the required studies which are due 11/87.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
ROTENONE (PM-17)	o Oncogenicity o Mutagenicity o Teratogenicity o Reproductive Effects o Chronic Toxicity o Significant Wildlife Populations Reductions o Acute Toxicity to Aquatic Wildlife	o Decision Document published 46 FR 36745 on 7/15/81. (NTIS # not available) Chemical returned to registration process based on finding no unreasonable adverse effects.
1081 (Fluoro-acetamide) (PM-16)	o Acute Toxicity to Mammalian and Avian Species o Reduction in endangered and non-target species o Acute Toxicity without antidote.	o PD 1 published 41 FR 52792 on 12/1/76. NTIS# PB80-216823. o PD 2 published 45 FR 13189 on 2/28/80. NTIS# PB80-216831. o Chemical returned to registration process with the restriction that it be used only in sewers.
TERBUTRYN (PM-25)	o Oncogenicity o Mutagenicity o Reproductive Effects	o Decision Document published 47 FR 20376 on 5/12/82. (NTIS # not available) o Chemical returned to the registration process. Registrants agreed to change label to reduce applicator risk to acceptable levels.
TRIALLATE (PM-25)	o Oncogenicity o Mutagenicity	o Decision Document published 45 FR 92349 on 12/15/80. (NTIS # not available) The Agency determined that, in light of the low level of exposure, chemical should be returned to the registration process stipulating that a FIFRA 3(c)(2)(B) action to be initiated

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
TRIALLATE (cont'd) (PM-25)	o Oncogenicity o Mutagenicity	to obtain necessary toxicity data to evaluate its hazards. o 3(c)(2)(B) was issued on 6/15/84 to include the data needs.
S,S,S-TRIBUTYL PHOSPHOROTHRITHIOATE (PM-25)	o Neurotoxicity	o Decision Document published 47 FR 20376 on 5/12/82: NTIS# PB87-186789. o Returned to the registration process based on finding no potential unreasonable adverse effects. Registrants agreed to protective clothing requirement.
TRIBUTYL PHOSPHORO-TRITHIOATE (PM-25)	o Neurotoxicity	o Decision Document published 47 FR 20376 on 5/12/82: NTIS# PB87-186797 o Returned to the registration process based on finding no potential unreasonable adverse effects. Registrants agreed to protective clothing requirement.
TRICHLORFON (PM-16)	o Oncogenicity o Mutagenicity o Teratogenicity o Fetotoxicity o Reproductive Effects	o Removed from Pre-Special Review as it chemically relates to Dichlorvos. (See Dichlorvos.) o Existing evidence does not support issuance of a Special Review for this chemical. o On 9/29/82, similar action was taken on DDVP, a metabolite of Trichlorfon. o Registration Standard issued 7/19/84.

SPECIAL REVIEWS COMPLETED
(Final Determination)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
AMITRAZ (Baam) (PM-12)	o Oncogenicity	o PD 1 published 42 FR 18299 on 4/6/77; comment period closed 7/18/77: NTIS# PB80-212046. o PD 2/3 completed and Notice of Determination published 44 FR 2678 on 1/12/79. Comment period closed 2/12/79. NTIS# PB80-211436. o PD 4 published 44 FR 32736 on 6/7/79; 44 FR 59938 on 10/7/79 (correction): NTIS# PB80-211428. . conditional registration approved for pears but not for apples. . registrants submitted an oncogenicity study in 1/84 and will collect additional benefits data. . tolerance for pears approved 12/6/79.
BENOMYL (PM-21)	o Reduction in non-target o Mutagenicity o Teratogenicity o Reproductive Effects o Hazard to Wildlife	o PD 1 published 42 FR 61788 on 12/6/77; comment period closed 1/23/78. (NTIS # not available) o PD 2/3 completed and Notice of Determination published 44 FR 51166 on 8/30/79; comment period closed 9/28/79: NTIS# PB87-119087. o PD 4 completed and Notice of Determination published 47 FR 46747 on 10/20/82. NTIS# PB83-148189. The Notice requires use of either cloth or commercially available disposable dust masks by mixer/loaders of benomyl intended for aerial application and that registrants of benomyl products conduct field monitoring studies to identify residues that may enter

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
BENOMYL (cont'd) (PM-21)	o Reduction in non-target aquatic sites after use on rice o Mutagenicity o Teratogenicity o Reproductive Effects	o Registrant completed field monitoring study and submitted to Agency 11/84. Study presently under review.
CADMIUM (PM-21)	o Oncogenicity o Mutagenicity o Teratogenicity o Fetotoxicity	o PD 1 published 42 FR 56574 on 10/26/77; comment period closed 2/10/78: NTIS# PB87-18137. o PD 2/3 published 51 FR 36524 on 10/10/86; comment period closed 11/24/86: NTIS# PB87-175782. o PD 4 published 52 FR 31076 on 8/19/87 FY 87: NTIS# PB87-228490.
CARBON TETRACHLORIDE (PM-16)	o Oncogenicity o Toxic effects on liver and kidney	o PD 1 published 45 FR 68534 on 10/15/80; comment period closed 11/24/80: NTIS# PB81-121782. o Notice of Intent to Cancel was issued 4/86. o Final decision document published 51 FR 21811 on 1/12/86. (NTIS # not available) o Proposed tolerance revocation signed 9/30/87.
CHLOROBENZILATE (PM-12)	o Oncogenicity o Testicular Effects	o PD 1 published 41 FR 21517 on 5/26/76; comment period closed 7/28/76. (NTIS # not available) o PD 2/3 published 43 FR 29824 on 7/11/78; comment period closed 8/10/78: NTIS# PB80-213887. o PD 4 and Notice of Intent to Cancel published 44 FR 9547 on 2/13/79. NTIS# PB80-213929. o All uses except citrus were cancelled.

SPECIAL REVIEWS COMPLETED
(Final Determination)

SEPTEMBER 1987

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
COAL TAR AND CREOSOTE (non-wood use) (PM-23)	o Oncogenicity o Mutagenicity	o PD 1 published 43 FR 48154 on 10/18/78; comment period closed 12/4/78: NTIS# PB80-213879. o PD 2/3 published 49 FR 33328 on 8/22/84; comment period closed 10/20/84. (NTIS # not available) o PD 4 published 50 FR 41943 on 11/15/85. (NTIS # not available)
CREOSOTE (wood use) (PM-21)	o Oncogenicity o Mutagenicity	o PD 1 published 43 FR 48154 on 10/18/78; comment period closed 9/30/78. o PD 2/3 published 46 FR 13020 on 2/19/81; comment period closed 5/20/81: NTIS# PB82-229956. o At 4/14/83 public meeting, proposed conclusion presented. Comment period closed 5/13/83. o PD 4 published 46 FR 13020 on 7/13/84: NTIS# PB84-241538. o Subsequently, two Federal Register Notices were published: 49 FR 43772 on 10/31/84 and 50 FR 4269 on 1/30/85.
DBCP 1,2-dibromo-3-chloropropane (PM-12)	o Oncogenicity o Reproductive Effects o Mutagenicity	o PD 1 published 42 FR 48026 on 9/22/77. Comment period closed 11/7/77: NTIS# PB87-181368. o Suspension Order and Notice of Intent to Cancel published 42 FR 57543 on 11/3/77. o Amended Notice of Intent to Cancel and PD 2/3/4 published 43 FR 40911 on 9/13/78. NTIS# PB80-213853. o Notice of Intent to Suspend All Pro-

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DBCP (cont'd) 1,2-dibromo-3-chloropropane (PM-12)	o Oncogenicity o Reproductive Effects o Mutagenicity	ducts Issued published 44 FR 41783 on 7/18/79. o Suspension Order (presently in effect for all uses except pineapple) and Notice of Intent to Cancel All Uses published 44 FR 65135 on 10/29/79. 9/30/78: NTIS# PB80-213879. o Agreement reached with registrants that all uses, except on pineapples, are cancelled. o Proposed Intent to Cancel DBCP Use on Pineapples published in 49 FR 1556 on 1/12/84. o Modified PD 4 published 50 FR 1122 on 1/9/85 to include cancellation notice. (NTIS # not available) o Press release published on 1/3/85.
DIALLATE (PM-25)	o Oncogenicity o Mutagenicity	o PD 1 published 42 FR 27669 on 5/31/77; comment period closed 9/9/77: NTIS# PB80-212863. o PD 2/3 completed and Notice of Determination published 45 FR 38437 on 6/9/80; comment period closed 7/9/80: NTIS# PB80-216849. o PD 4 published in 47 FR 27109 on 6/23/82: NTIS# PB87-118006. o Classifies current products for restricted use by certified applicators wearing protective clothing.
DIAZINON (PM-15)	o Avian Hazard	o PD 1/2/3 published 51 FR 1842 on 1/15/86; comment period initially closed 3/3/86 and then was extended

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DIAZINON (cont'd) (PM-15)	o Avian Hazard	to close 3/28/86 (51 FR 8813): NTIS# PB87-101853. o PD 4 published 51 FR 35034 on 10/1/86. (NTIS # not available) o Amendment to PD 4 published 25 FR 5656 on 2/28/87. The Agency is revising the Notice to clearly define more particularly the registrations which are subject to its terms. Registrants, applicants and other adversely-affected parties requested a hearing to contest the requirements of the Notice. The hearing is expectged to be completed by 12/87.
DICOFOL (PM-15)	o Ecological Effects	o PD 1 published 49 FR 10569 on 3/21/84; comment period closed 5/5/84: NTIS# PB84-160084. o PD 2/3 published 49 FR 39820 on 10/10/84; comment period closed 11/26/84: NTIS# PB-85-134153. o PD 4 published 51 FR 19508 on 5/29/86. (NTIS # not available)
DIMETHOATE (PM-16)	o Oncogenicity o Mutagenicity o Fetotoxicity o Reproductive Effects	o PD 1 published 42 FR 45806 on 9/22/77. Comment period closed 1/6/78. (NTIS # not available) o PD 2/3 completed and Notice of Determination published 44 FR 66558 on 11/19/79. Comment period closed 12/19/79. NTIS# PB80-213846. o PD 4 published 46 FR 5334 on 1/19/81: NTIS# PB81-172413. Registration Standard approved and signed 3/31/83.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DINOSEB (PM-23)	o Teratogenicity o Reprodutive Effects o Acute Effects	o Emergency Suspension Order/Notice of Intent to Cancel published 51 FR 36634 on 10/14/86. o The Agency has modified the 10/7/86 Suspension Order and will permit use of Dinoseb on dry peas, lentils, and chick peas in the States of Idaho and Washington during the 1987 growing season. A cancellation hearing is now scheduled to begin 11/16/87.
EBDC's Ethylenebis-dithiocarbamates, maneb, mancozeb, metiram, nabam, zineb, amobam, (PM-21)	o Oncogenicity o Teratogenicity o Hazard to Wildlife	o PD 1 published 42 FR 40618 on 8/10/77; comment period closed 12/23/77: NTIS# PB87-117990. o Decision Document and Final Determination published 47 FR 47669 on 10/27/82: NTIS# PB87-181350. Notice returned EBDC products to the registration process on condition that certain use precautions are added to the product labels and registrants agree to generate additional toxicological data. o Data Call-in Notices requesting registrants to generate the needed data on six EBDC's and ERU have been issued. o Registrants committed to generate data for all chemicals except Amobam. (See page 55.) These compounds are being reassured under a settlement agreement between the Agency and NRDC. This reassessment is scheduled to be completed by 12/31/86.

SPECIAL REVIEWS COMPLETED
(Final Determination)

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CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
ENDRIN (PM-15)	o Oncogenicity o Teratogenicity o Reduction in endangered species and nontarget species	o PD 1 published 41 FR 31316 on 7/27/76; comment period closed 11/4/76: NTIS# PB81-112690. o PD 2/3 published 43 FR 51132 on 11/2/78; comment period closed 12/4/78: NTIS# PB87-119921. o PD 4 published (including cancellations) 44 FR 43631 on 7/25/79. NTIS# PB81-10980. o PD 4 follow-up notice sent 8/28/80. Cancellations by Velsicol on one technical and two end-use products began 30 days later. o Velsicol will voluntarily cancel its last end-use product by 8/1/85. o All remaining uses have been voluntarily cancelled effective 9/12/84.
EPN (Ethyl p-nitro phenyl thionobenzenephosphorate) (PM 12)	o Neurotoxicity o Hazard to Aquatic Organisms	o PD 1 published 44 FR 54384 on 9/19/79; comment period closed 12/29/79: NTIS# PB80-216815. o Determination to conclude RPAR published 48 FR 39494 on 8/31/83. (NTIS # not available) o Mosquito larvacide use was cancelled. For all other uses, new label requirements imposed to reduce exposure to applicators and non-target organisms and reassess tolerances and chronic toxicity and re-entry. o Proposed Decision Not To Initiate Special Review published 52 FR 27453 on 7/21/87.

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SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
EPN (Ethyl p-nitro phenyl thionobenzenephosphorate) (cont'd) (PM 12)	o Neurotoxicity o Hazard to Aquatic Organisms	o All registrations voluntarily cancelled as of 7/24/87. o Final decision expected by 11/87.
ETHALFLURALIN (PM-25)	o Oncogenicity	o PD's 1, 2/3, and 4 published 49 FR 511 on 1/4/84; comment period closes 12/1/85. (NTIS # not available)
ETHYLENE DIBROMIDE EDB (PM-32)	o Oncogenicity o Mutagenicity o Reproductive Effects	o PD 1 published 42 FR 63134 on EDB 12/14/77; comment period closed 4/3/78: NTIS# PB80-109456. o PD 2/3 published 45 FR 81586 on 12/10/81 comment period closed 3/9/82. NTIS# PB81-157851. o PD 4 published 48 FR 45956 on 10/7/83: NTIS# PB85-238004. o Emergency Suspension published 49 FR 4452 on 2/22/84: NTIS# PB85-235919. Uses to fumigate grain and grain milling equipment were suspended. o Proposed tolerances for EDB in grains published 49 FR 56 on 2/22/84. o Proposed tolerances for EDB in citrus and papayas published 49 FR 806 on 3/6/84. o Final tolerances for EDB in grains published 49 FR 17144 on 4/23/84. o Amendment to Notice of Intent to Cancel Registrations of Pesticide Products Containing EDB published 49 FR 70 on 4/10/84. o Final Revocation of Tolerances and Establishement of Interim Tolerances

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SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
ETHYLENE DIBROMIDE EDB (cont'd) (PM-32)	o Oncogenicity o Mutagenicity o Reproductive Effects	for EDB in Citrus and Papaya published 49 FR 103 on 5/25/84. o Proposed Revocation of Tolerances and Establishment of Interim Tolerances for EDB in Citrus and Papaya published 49 FR 103 on 5/25/84. o Proposed revocaton of Tolerances for Miscellaneous Commodities published 49 FR 156 on 8/10/84. o Interim tolerance for EDB in mangoes was published 9/29/86.
GOAL (PM-23	o Oncogenicity	o PD 1/2/3 published 46 FR 23490 on 4/27/81; comment period closed 5/11/81: NTIS# PB82-185133. o PD 4 published 47 FR 27118 on 6/23/82: NTIS# PB82-172289. o Decision made to continue use of the herbicide subject to certain restrictions (on PCE) pertaining to formulation of the product.
INORGANIC ARSENICALS (wood use) (PM-21)	o Oncogenicity o Mutagenicity o Teratogenicity	o PD 1 published 43 FR 42867 on 10/18/78; comment period closed 2/12/79. (NTIS # not available) o PD 2/3 published 46 FR 13020 on 2/19/81; comment period closed 5/20/81: NTIS# PB82-229956. o At 4/14/83 public meeting proposed conclusion presented. Comment period closed 5/15/83. o PD 4 published 49 FR 2866 on 7/13/84: NTIS# PB84-241538.

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
INORGANIC ARSENICALS (wood use) (cont'd) (PM-21)	o Oncogenicity o Mutagenicity o Teratogenicity	o Subsequently, two Federal Register notices were published: 49 FR 43772 on 10/31/81 and 50 FR 4269 on 1/30/85.
LINDANE (PM-15)	o Oncogenicity o Teratogenicity o Reproductive Effects o Acute Toxicity o Other Chronic Effects	o PD 1 published 42 FR 9816 on 2/18/77. Comment period closed 6/20/77. NTIS# PB80-213861. o PD 2/3 published 45 FR 45362 on 7/3/80; comment period closed 9/15/80: PB87-165080. o PD 4 published 48 FR 48512-48522 on 10/19/83: NTIS# 165098. The decision cancels the indoor use of smoke fumigation devices and the use of dog dips to treat pests other than mites. All other uses will continue with use restrictions and label modifications. o Negotiated settlement on dog dips published 49 FR 26282 on 6/27/84. A settlement on smoke bombs published 50 FR 5425 on 2/8/85 to end sale of product by 5/31/86 for registrant and by 11/30/86 for retailer.
PCNB Pentachloro-nitrobenzene (PM-12)	o Oncogenicity	o PD 1 published 42 FR 61894 on 10/13/77; comment period closed 2/6/78: NTIS# PB80-216799. o Special review was terminated through negotiated agreement with registrants to reduce levels of the HCB contaminant and to make label changes to reduce exposure. Published 47 FR 18177 on 4/19/82.

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SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
PENTACHLOROPHENOL AND DERIVATRIVES (wood use) (PM-21)	o Oncogenicity o Fetotoxicity o Teratogenicity	o PD 1 published 43 FR 48443 on 10/18/78; comment period closed 2/12/79: NTIS# PB81-109464. o PD 2/3 completed and Notice of Determination published 46 FR 13020 on 2/19/81; comment period closed 5/20/81. NTIS# PB82-229956. o At 4/14/83 public meeting proposed conclusion presented. Comment period closed 5/13/83. o PD 4 published 46 FR 13020 on 7/13/84: NTIS# PB84-241538. o Subsequently, two Federal Register notices were published: 49 FR 43772 on 10/31/84 and 50 FR 4269 on 1/30/85. o Amendment to PD 4 published 52 FR 2282 on 1/21/87. (NTIS # not available)
PENTACHLOROPHENOL (non-wood use) (PM-23)	o Oncogenicity o Fetotoxicity o Teratogenicity	o PD 1 published 43 FR 48443 on 10/18/78; comment period closed 2/12/79: NTIS# PB81-109464. o PD 2/3 published 49 FR 48367 on 12/12/84; comment period closed 2/11/85: NTIS # PB87-119095. o PD 4 published 52 FR 2282 on 1/21/87: NTIS# PB87-2-47071e). This determination does not include oil well, cooling tower, and pulp and paper uses.
PRONAMIDE (PM-25)	o Oncogenicity	o PD 1 published 42 FR 32302 on 5/20/77. Comment period closed 8/29/77: NTIS# PB81-109472.

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
PRONAMIDE (cont'd) (PM-25)	o Oncogenicity	o PD 2/3 completed and Notice of Proposed Determination published 44 FR 3083 on 1/15/79. Comment period closed 2/14/79: NTIS# PB80-213911. o PD 4 completed and Final Determination published 44 FR 61640 on 10/26/79: NTIS# PB81-112716. The following actions were taken: Cancellation of registration of products allowing hand spray applications, except for use on ornamentals and nursery stock; cancellation of registrations of products unless the registrant modifies the terms and conditions to allow certain uses of wettable powder products only by or under direct supervision of certified applicators; modification of labeling of wettable powder products to include specific general precautions, directions as to protective clothing to be worn, dilution instructions for wettable powder products, and watering instructions for granular products used on turf; and Agency revision of the lettuce tolerance from 2 ppm to 1 ppm from required residue data that was submitted.
SODIUM FLUORO-ACETATE (1080) (PM-16)	o Reduction in Non-target and Endangered Species o No Antidote	o PD 1 published 41 FR 52792 on 12/1/76; comment period closed 3/15/77. NTIS# PB80-216823.

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SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
SODIUM FLUORO-ACETATE (1080) (cont'd) (PM-16)	o Reduction in Non-target and Endangered Species o No Antidote	o PD 2/3 signed on 11/11/82 and re-signed on 6/29/83. Issuance of document was delayed until 6/83 to coincide with that of document addressing predator issues and was published 48 FR 50935 on 11/4/83. (NTIS # not available) o SAP reviewed PD 2/3 on 12/83 and final report on 7/3/84 following 6/12/84 SAP meeting. o PD 4 published 50 FR 31012 on 7/31/85: NTIS# PB87-116471.
STRYCHNINE/ STRYCHNINE SULFATE (PM-16)	o Reduction in Non-target and Endangered Species	o PD 1 published 42 FR 2713 on 1/13/77; comment period closed 3/15/77: NTIS# PB80-216807. o PD 2/3 completed and Notice of Determination published 45 FR 73602 on 11/5/80. Comment period closed 9/30/81. NTIS# PB81-123960. o PD 4 published 48 FR 48522 on 10/19/83. o (NTIS # not available) Decision cancels use of strychnine for control of prairie dogs and several other rodents and small mammals. All other uses will require label modifications. o Notice published 53 FR 6762 on 3/4/87 withdrawing partial cancellation of Strychnine-containing pesticides for prairie dog, ground squirrel, and meadow mouse control if certain modifications of terms and conditions of registration are made. Terms and con-

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
STRYCHNINE/ STRYCHNINE SULFATE (cont'd) (PM-16)	o Reduction in Non-target and Endangered Species	ditions include: establishment of a State program for exclusive distribution and monitoring of Strychnine for use on prairie dogs; compliance with Black-Footed Ferret Survey Guidelines; and use of certain label statements.
2,4,5-T/SILVEX (PM-23)	o Oncogenicity o Teratogenicity o Fetotoxicity	o 2,4,5-T--PD 1 published 43 FR 17116 on 4/21/78; comment period closed 6/5/78: NTIS# PB80-212665. o 2,4,5-T--PD 2/3 published 44 FR 41536 on 7/17/79; comment period closed 8/16/79: NTIS# PB87-117685. o Silvex--PD 1/2/3 published 44 FR 41536 on 7/17/79; comment period closed 8/16/79: NTIS# PB80-213895. o Emergency Suspension Order and Notice of Intent to Cancel published 44 FR 15874 on 3/15/79. 2,4,5-T--NTIS# PB80-22592; Silvex--PB80 226376. o 2,4,5-T/Silvex--PD 4 published 44 FR 72316 on 12/13/79: NTIS# PB87-181384. o Cancellation Hearings began 3/14/80. o On 10/11/84, the Administrative Law Judge gave Union Carbide 30 days to determine if they want to defend 2,4,5-T/Silvex uses. Union Carbide and remaining companies withdrew from hearing and subsequently, all registrations were cancelled on 1/2/85.
THIOPHANATE METHYL (PM-21)	o Mutagenicity o Reduction in Non-target Species (Rebutted)	o PD 1 published 42 FR 61970 on 12/7/77; comment period closed 3/27/78: NTIS# PB80-216856.

SPECIAL REVIEWS COMPLETED
(Final Determination)

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CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
THIOPHANATE METHYL (cont'd) (PM 21)	o Mutagenicity o Reduction in Non-target Species (Rebutted)	o PD 2/3 published 44 FR 58798 on 10/11/79; comment period closed 11/12/79. (NTIS # not available.) o PD 4 published 47 FR 46747 on 10/20/82: NTIS# PB83-148189.
TOXAPHENE (PM-12)	o Oncogenicity o Population reduction in non-target animal species organisms o Acute toxicity to aquatic organisms o Chronic effects to wildlife	o PD 1 published 42 FR 26860 on 5/27/77; comment period closed 6/13/77: NTIS# PB80-216732. o PD 2/3/4 published 47 FR 53784 on 11/29/82: NTIS# PB83-144204. o Notice applies to cancellation of registrations for most uses and continued registration of certain uses under specific terms and conditions. The continued uses are: corn, cotton, and small grain for specific insect infestation (emergency use only); pineapples and bananas for specific insects in Puerto Rico and the Virgin Islands only; and scabies treatments of cattle and sheep.
TRIFLURALIN (Treflan) (PM-23)	o Oncogenicity o Mutagenicity	o PD 1/2/3 published 44 FR 50911 on 8/30/79. Comment period closed 11/13/79. NTIS# PB80-213937. o PD 4 published 47 FR 33777 on 8/4/82. NTIS# PB82-263252. o Registrations allowed to continue if total N-nitrosamine contamination is kept below 0.5 ppm for technical products and below a figure based on below a figure based on Trifluralin content for formulated products.

REGISTRATION STANDARDS DEVELOPMENT - DATA COLLECTION

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	RESPONSIBLE RD BRANCH/PM	TYPE OF CHEMICAL
AMMONIUM ARSENITE	I-R Branch/PM-12	Insecticide
CALCIUM ARSENATE	I-R Branch/PM-12	Insecticide
COPPER CHLORIDE (Basic)	H-F Branch/PM-21	Fungicide
NEOMYCIN SULFATE	H-F Branch/PM-21	Fungicide
SODIUM ARSENITE	I-R Branch/PM-12	Insecticide
SODIUM PYROARSENATE	H-F Branch/PM-23	Herbicide

REGISTRATION STANDARDS DEVELOPMENT - DATA EVALUATION AND DEVELOPMENT OF REGULATORY POSITIONS

SEPTEMBER 1987

CHEMICAL (Class of Chemicals)	RESPONSIBLE RD BRANCH/PM	TYPE OF CHEMICAL
ACEPHATE*	I-R Branch/PM-16	Insecticide
AMITRAZ*	I-R Branch/PM-12	Insecticide
BACILLUS THURINGIENSIS*	I-R Branch/PM-17	Insecticide
BENDIOCARB	I-R Branch/PM-12	Insecticide
BIOALLETHRIN	I-R Branch/PM-17	Insecticide
CHLORDIMEFORM/ CHLORDIMEFORM HCL*	I-R Branch/PM-12	Insecticide
COPPER CHLORIDE/NITRATES*	H-F Branch/PM-21	Fungicide
DIAZINON	I-R Branch/PM-15	Insecticide
DINOSEB	H-F Branch/PM-23	Herbicide
FENTHION	I-R Branch/PM-12	Insecticide
FORMALDEHYDE	Disinfectants Br./PM-32	Disinfectant
INORGANIC ARSENICALS	H-F Branch/PM-21	Fungicide
ISOCYANURATES	Disinfectants Br./PM-32	Disinfectant

*Final Draft Standard completed and out for public comment prior to finalization. Copies available from Information Services Branch, EPA/OPP (TS-757), Washington, D.C. 20460.

REGISTRATION STANDARDS DEVELOPMENT - DATA EVALUATION AND DEVELOPMENT OF REGULATORY POSITION

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CHEMICAL (Class of Chemicals)	RESPONSIBLE RD BRANCH/PM	TYPE OF CHEMICAL
MALATHION	I-R Branch/PM-16	Insecticide
MANEB	H-F Branch/PM-21	Fungicide
METIRAM	H-F Branch/PM-21	Fungicide
PARADICHLOROBENZENE	Disinfectants Br./PM-32	Disinfectant
PENTACHLOROPHENOL	H-F Branch/PM-21	Fungicide
PHOSPHAMIDON	I-R Branch/PM-16	Insecticide
PROPOXUR	I-R Branch/PM-12	Insecticide
RESMETRIN	I-R Branch/PM-17	Insecticide
ROTENONE	I-R Branch/PM-17	Insecticide
SULFOTEPP	I-R Branch/PM-16	Insecticide
SUMITHRIN	I-R Branch/PM-17	Herbicide
TEBUTHIURON	H-F Branch/PM-25	Insecticide
TETRACHLORVINPHOS	I-R Branch/PM-15	Fungicide
THIOPHANATE METHYL*	H-F Branch/PM-21	

*Final Draft Standard completed and out for public comment prior to finalization. Copies available from Information Services Branch, EPA/OPP (TS-757), Washington, D.C. 20460.

REGISTRATION STANDARDS DEVELOPMENT - DATA EVALUATION AND DEVELOPMENT OF REGULATORY POSITION

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CHEMICAL (Class of Chemicals)	RESPONSIBLE RD BRANCH/PM	TYPE OF CHEMICAL
ZINEB	H-F Branch/PM-21	Fungicide

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
ALACHLOR (PM 25)	Herbicide	November 1984 NTIS# PB86-179835/AS	11/21/84
ALDICARB (PM 12)	Insecticide	March 1984 NTIS# PB84-207653	3/30/84
ALDRIN (PM 15)	Insecticide	September 1986 NTIS# PB87-183778	6/29/86
ALIETTE (PM 22)	Fungicide	June 1983 NTIS# PB84-206564	6/30/83
ALUMINUM PHOSPHIDE (PM 32)	Insecticide	October 1981 NTIS# PB82-137514 (amended 10/86 and 1/87)	11/24/81 (10/7/86)
4-AMINOPYRIDINE (Avitrol) (PM 16)	Bird Chemosterilants Toxicants and Repellents	September 1980 NTIS# PB84-209907	9/30/80
AMITROLE (PM 25)	Herbicide	March 30, 1984 NTIS# PB87-104766/AS	3/30/84
AMMONIUM SULFAMATE (PM 25)	Herbicide	June 1981 NTIS# PB82-133570	8/5/81
ANILAZINE (PM 21)	Herbicide	December 1983 NTIS# PB84-168301	12/13/83
ARSENIC ACID (PM-23)	Herbicide	September 1986 NTIS# PB87-101572	9/3/86

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
ASPON (PM 16)	Insecticide	September 1980 NTIS# PB84-206549	9/30/80
ATRAZINE (PM 25)	Herbicide	September 1983 NTIS# PB84-149451	9/21/85
AZINPHOS-METHYL (Gunthion) (PM 12)	Insecticide	September 1986 NTIS# PB87-111779	9/11/86
BARIUM METABORATE (PM 22)	Fungicide	April 1983 NTIS# PB84-168376	6/27/83
BENOMYL (PM 21)	Fungicide	July 1987*	7/1/87
BENTAZON (and sodium form) (PM 25)	Herbicide	September 1985 NTIS# PB86-159653	9/28/85
BIFENOX (PM 25)	Herbicide	June 1981 NTIS# PB83-138818	8/12/81
BKLFI-2 (PM 32)	Disinfectant	December 1981*	12/29/81
BOLSTAR (Sulprofos) (PM 12)	Insecticide	August 1981 NTIS# PB82-133646	8/10/81
BORIC ACID (PM 16)	Insecticide	November 1985 NTIS# PB87-101903/AS	2/13/86
BROMACIL & SALTS (PM 25)	Herbicide	September 1982 NTIS# PB87-110276/AS	9/30/82

*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
BUTOXICARBOXIME (PLANTPIN) (PM 12)	Insecticide	September 1981 NTIS# PB82-177585	9/30/81
BUTYLATE (PM 25)	Herbicide	September 1983 NTIS# PB85-147304	9/30/83
CAPTAFOL (PM 21)	Fungicide	October 1984 NTIS# PB87-104774	10/5/84
CAPTAN (PM 21)	Fungicide	March 1986 NTIS# PB86-181674	3/6/86
CARBARYL* (PM 12)	Insecticide	March 1984 NTIS# PB84-232602	3/30/84
CARBOFURAN (PM 12)	Insecticide	June 1984 NTIS# PB87-105516	6/25/84
CARBOPHENOTHION (PM 16)	Insecticide	July 1984 NTIS# PB87-114229	7/31/84
CARBOXIN (VITAVAX®) (PM 21)	Fungicide	August 1981 NTIS# PB82-132994	8/12/81
CHLORAMBEN (PM 25)	Herbicide	August 1981 NTIS# PB82-134347	8/12/81
CHLORDANE (PM 15)	Insecticide	December 1986 NTIS# PB87-175816	12/29/86

*FRSTR - Final Registration Standard and Tolerance Reassessment.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
CHLOROBENZILATE (PM 12)	Insecticide	December 1983 NTIS# PB85-107605	12/20/83
CHLORONEB (PM 21)	Fungicide	September 1980 NTIS# PB81-123804	9/30/80
CHLOROPICRIN (PM 32)	Insecticide	September 1982 NTIS# PB86-182094	9/28/82
CHLOROTHALONIL (PM 21)	Fungicide	October 1984 NTIS# PB85-247245	10/26/84
CHLORPYRIFOS (PM 12)	Insecticide	September 1984 NTIS# PB87-110284	9/28/84
CHLORSULFURON (Glean®) (PM 25)	Herbicide	September 1982 NTIS# PB81-1222505	9/30/82
CHROMATED ARSENICALS (PM 21)	Fungicide	September 1986 NTIS# PB87-114088	9/11/86
COAL TAR/CREOSOTE (PM 21)	Wood Preservative	October 1986*	10/1/86
COPPER SULFATE (PM 23)	Fungicide	March 1986 NTIS# PB86-236767	3/21/86
COUMAPHOS (PM 15)	Insecticide	August 1981 NTIS# PB82-133357	9/4/81

*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
CRYOLITE (PM 16)	Insecticide	June 1983 NTIS# PB84-211945	6/28/84
CYANAZINE (PM 25)	Herbicide	January 1985 NTIS# PB-175098	1/4/85
CYCLOHEXIMIDE (PM 21)	Fungicide	September 1982 NTIS# PB84-211945	9/24/82
CYHEXATIN (PM 12)	Insecticide	June 1985 NTIS# PB86-173184	6/27/85
DAMINOZIDE (Alar) (PM 25)	Herbicide	June 1984 NTIS# PB87-104782	6/29/84
DCNA (PM 21)	Herbicide	September 1983 NTIS# PB84-210178	12/14/83
DDVP (PM 15)	Insecticide	September 1987*	9/29/87
DEET (PM 17)	Insecticide	December 1980 NTIS# PB81-277722	12/2/80
DEMETON (PM-16)	Insecticide	February 1985 NTIS# PB86-168820	2/27/85
DIALIFOR (PM 16)	Insecticide	July 1981 NTIS# PB82-133638	7/31/81

*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
DIALLATE (PM 25)	Herbicide	March 1983 NTIS# PB85-144814	4/7/83
3,5-DIBROMOSALICYLANILIDE (PM 32)	Disinfectant	August 1985 NTIS# PB86-168150	8/30/85
DICAMBA (PM 25)	Herbicide	September 1983 NTIS# PB84-243492	9/30/83
DICHLOBENIL (PM 25)	Herbicide	March 1987 NTIS# PB87-184834	3/23/87
DICHLONE (PM 21)	Fungicide	March 1981 NTIS# PB81-207383	3/16/81
1,3-DICHLOROPROPENE (Telone) (PM-21)	Nematocide	September 1986 NTIS# PB87-111787	9/17/86
DICOFOL (PM 12)	Insecticide	December 1983 NTIS# PB84-160084	12/30/83
DICROTOPHOS (Bidrin®) (PM 16)	Insecticide	April 1982 NTIS# PB82-204383	6/30/83
DIFLUBENZURON (PM 17)	Insecticide	September 1985 NTIS# PB86-176500	9/10/85
DIMETHOATE* (PM 16)	Insecticide	March 1983 NTIS# PB87-11-318	4/11/83
DIOXATHION (PM 15)	Insecticide	March 1983 NTIS# PB85-245033	4/7/83

*FRSTR - Final Registration Standard and Tolerance Reassessment.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
DIPROPETRYN (PM 25)	Herbicide	June 1985 NTIS# PB86-171147	6/30/85
DIQUAT DIBROMIDE (PM 23)	Herbicide	June 1986 NTIS# PB87-105490	6/30/86
DISULFOTON (PM 15)	Insecticide	December 1984 NTIS# PB86-178167	12/31/84
DIURON (PM 25)	Herbicide	September 1983 NTIS# PB84-210327	9/28/83
DODINE (PM 31)	Disinfectant	February 1987*	2/20/87
ENDOSULFAN (PM 15)	Insecticide	March 1982 NTIS# PB82-243999	6/26/82
EPTC (PM 25)	Herbicide	September 1983 NTIS# PB87-109427	9/30/83
ETHION (PM 16)	Insecticide	December 1982 NTIS# PB86-177565	12/23/82
ETHOPROP** (PM 16)	Nematicide	June 1983 NTIS# PB84-210194	6/24/83
ETHOXYQUIN (PM 25)	Growth Regulator	March 1981 NTIS# PB-82-131418	3/31/81

*NTIS number not available.
**FRSTR - Final Registration Standard and Tolerance Reassessment.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
ETHYL PARATHION (PM 12)	Insecticide	September 1986 NTIS# PB87-152120	9/4/86
FENAMINOSULF (PM 21)	Fungicide	September 1983 NTIS# PB86-177573	9/30/83
FENITHROTHION (Sumithion) (PM 16)	Insecticide	July 1987*	7/30/87
FENSULFOTHION (PM 15)	Insecticide	December 1983 NTIS# PB85-148963	12/22/83
FLUCHLORALIN (Basalin) (PM 25)	Herbicide	June 1985 NTIS# PB86-176476	6/30/85
FLUOMETURON (PM-25)	Herbicide	June 1985 NTIS# PB87-109435	6/30/85
FOLPET	H-F Branch/PM-21	Fungicide	
FONOFOS (PM 16)	Insecticide	March 1984 NTIS# PB84-210186	3/30/84
FORMETENATE HYDROCHLORIDE (PM 12)	Insecticide	September 1983 NTIS# PB84-141456	9/23/83
FUMARIN (Coumafuryl) (PM 16)	Rodent Toxicant and Anticoagulant	September 1982 NTIS# PB81-123812	10/21/80
GLYPHOSATE (PM 25)	Herbicide	July 1986 NTIS# PB87-103214	7/11/86

*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
2 ETHYL 1,3 HEXANEDIOL(6-12) (PM 17)	Insecticide	June 1981 NTIS# PB81-234098	6/5/81
HELIOTHIS VIRUS (PM 17)	Insecticide	June 1984 NTIS# PB85-134393	6/30/84
HEPTACHLOR (PM 15)	Insecticide	December 1986 NTIS# PB87-175808	12/29/86
HEXAZINONE (Velpar) (PM 23)	Herbicide	February 1982 NTIS# PB87-110292	4/27/82
HYAMINE 3500 (PM 31)	Disinfectant	September 1985 NTIS# PB86-169406	9/30/85
ISOPROPALIN (PM 25)	Herbicide	August 1981 NTIS #PB82-1312	8/5/81
LINDANE (PM 15)	Insecticide	September 1985 NTIS# PB86-175114	9/30/85
LINURON (PM 25)	Herbicide	July 1984 NTIS# PB85-149011	6/13/84
MAGNESIUM PHOSPHIDE (PM 32)	Insecticide	March 1982 NTIS# PB82-195777 (amended 10/86 and 1/87)	3/29/82 10/7/86 1/22/87
MANCOZEB (PM 21)	Fungicide	March 1987*	3/31/87

*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
MCPA (PM 23)	Herbicide	March 1982 NTIS# PB87-110326	6/30/82
METALAXYL (RIDOMIL®) (PM 21)	Fungicide	August 1981 NTIS# PB82-172297	8/31/81
METHAMIDOPHOS (MONITOR®) (PM 16)	Insecticide	September 1982 NTIS# PB87-109419	9/24/82
METHIDATHION* (PM 12)	Insecticide	January 1983 NTIS# PB87-109401	1/14/83
METHIOCARB (PM 16)	Insecticide	March 1987 NTIS# PB87-190898	3/31/87
METHOMYL* (PM 12)	Insecticide	September 1981 NTIS# PB82-180738	1/22/82
METHOPRENE (PM 17)	Disinfectant	February 1982 NTIS# PB87-109443	3/31/82
METHYL BROMIDE (PM 32)	Insecticide	August 1986 NTIS# PB87-105508	8/22/86
METHYL PARATHION (PM 12)	Herbicide	December 1986 NTIS# PB87-139432	11/19/86
METOLACHLOR (PM 23)		September 1980 NTIS# PB81-123280	9/30/80

*FRSTR - Final Registration Standard and Tolerance Reassessment.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
METRIBUZIN (PM 25)	Herbicide	June 1985 NTIS# PB87-105482	6/30/85
MONOCROTOPHOS (PM 16)	Insecticide	September 1985 NTIS# PB86-173895	9/12/85
MONURON (PM 25)	Herbicide	June 1983 NTIS# PB85-201867	7/7/83
MONURON TCA (PM 25)	Herbicide	June 1983 NTIS# PB84-166669	7/7/83
NABAM (PM 21)	Fungicide	March 1987*	3/31/87
NALED (PM 16)	Insecticide	June 1983 NTIS# PB84-158980	7/6/83
NAPHTHALENE (PM 32)	Insecticide	September 1981 NTIS# PB82-139437	11/9/81
NAPHTHALENEACETIC ACID AND ITS SALTS (PM 25)	Growth Regulator	August 1981 NTIS# PB82-131145	8/18/81
NAPTALAM (PM 25)	Herbicide	June 1985 NTIS# PB86-173861	6/30/85
NITRAPYRIN (PM 23)	Herbicide	June 1985 NTIS# PB86-176468	6/20/85

*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
NORFLURAZON (PM 23)	Herbicide	December 1984 NTIS# PB86-135159	12/21/84
OBPA (10,10'-OXYBISPHENOXARSINE) (PM 21)	Fungicide	September 1981 NTIS# PB82-172271	10/27/81
ORYZALIN	Herbicide	June 1987*	6/30/87
OXAMYL (PM 12)	Insecticide	June 1987 NTIS# PB87-228102	6/30/87
OXYDEMETON-METHYL (PM 16)	Insecticide	September 1987*	9/29/87
PARAQUAT (PM 25)	Herbicide	June 1987 NTIS# PB87-228524	6/18/87
PCNB (PENTACHLORONITROBENZENE) (PM 21)	Fungicide	February 1987 NTIS# PB88-101126	2/5/87
PENDIMETHALIN (Prowl) (PM 25)	Herbicide	March 1985 NTIS# PB86-172814	4/9/85
PERFLUIDONE (PM 25)	Herbicide	September 1985 NTIS# PB86-173879	9/20/85
PHENMEDIPHAM (PM 25)	Herbicide	March 1987*	3/31/87

*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
PHORATE (PM 16)	Insecticide	August 1984 NTIS# PB87-109383	8/30/84
PHOSMET (PM 17)	Insecticide	September 1986 NTIS# PB87-116620	9/29/86
PICLORAM (PM 25)	Herbicide	March 1985 NTIS# PB86-173887	3/29/85
POTASSIUM BROMIDE (PM 32)	Disinfectant	September 1984 NTIS# PB86-106978	9/28/84
POTASSIUM PERMANGANATE (PM 32)	Disinfectant	August 1985 NTIS# PB86-173135	8/30/85
PROMETRYN PM 25)	Herbicide	March 1987 NTIS# PB87-184826	3/27/87
PRONAMIDE (PM 25)	Herbicide	April 1986 NTIS# PB87-103735	4/7/86
PROPACHLOR (PM 25)	Herbicide	February 1985 NTIS# PB86-174182	2/11/85
PROPARGITE (PM 15)	Insecticide	September 1986 NTIS# PB87-139358	9/30/86
PROPHAM (PM 23)	Herbicide	March 1987 NTIS# PB87-202347	3/23/87
SIMAZINE (PM 23)	Herbicide	March 1984 NTIS# PB84-212349	3/30/84

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
SODIUM AND CALCIUM HYPOCHLORITES (PM 32)	Disinfectant	January 1983 NTIS# PB87-103222	1/30/83
SODIUM OMADINE (PM 31)	Disinfectant	March 1985 NTIS# PB86-173929	7/16/85
SULFUR (PM 21)	Fungicide	December 1982 NTIS# PB86-102043	12/29/82
SULFURYL FLUORIDE (PM 32)	Disinfectant	June 1985 NTIS# PB86-173937	6/26/85
TEMEPHOS (Abate) (PM 16)	Insecticide	August 1981 NTIS# PB82-140641	9/25/81
TERBACIL (PM 25)	Herbicide	June 1982 NTIS# PB85-120186	6/4/82
TERBUFOS* (PM 16)	Insecticide	June 1983 NTIS# PB84-210335	6/30/83
TERBUTRYN (PM 25)	Herbicide	September 1986 NTIS# PB87-143038	9/17/86
TERRAZOLE (PM 21)	Fungicide	September 1980 NTIS# PB81-126716	9/30/80
THIOPHANATE ETHYL (PM 21)	Fungicide	December 1985 NTIS# PB87-101283	12/31/85

*FRSTR - Final Registration Standard and Tolerance Reassessment.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
THIRAM (PM 21)	Fungicide	July 1984 NTIS# PB85-102705	7/2/84
TPTH (Triphenyltin Hydroxide) (PM 21)	Fungicide	September 1984 NTIS#PB85-248797	9/30/84
TRICHLOROFON (PM 16)	Insecticide	June 1984 NTIS# PB85-149300	6/28/84
TRIMETHACARB (Landrin) (PM 12)	Insecticide	September 1985 NTIS# PB86-169414	9/11/85
VENDEX (PM 12)	Insecticide	March 1987 NTIS# PB87-190690	3/31/87
WARFARIN* (PM 16)	Rodent Toxicant and Anticoagulant	August 1981 NTIS# PB82-140716	10/26/81
ZINC PHOSPHIDE (PM 16)	Rodent Toxicant and Anticoagulant	June 1982 NTIS# PB85-102499	6/23/83

*FRSTR - Final Registration Standard and Tolerance Reassessment.

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DATA CALL-IN STATUS OF CHEMICALS

The following chemical clusters are being processed through Data Call-In (DCI). These clusters are the same as described in the Federal Register notice on November 14, 1980 (45 FR 75488). An explanation of terms used to describe the status of a chemical is as follows:

"Letter issued (date)": The notice/notification or equivalent was issued to indicate existing chronic data gaps.

"Decision reached": The Agency has evaluated all the responses from registrants requesting exemptions, waivers, commitments, offers to cost share, cancellations, suspensions, etc. and has issued final decisions on the data required and status of all registrations containing the chemical. The terms "chronic data being generated" or "chronic data waiver or deferral" are self explanatory. "Chronic data base complete" may mean that the data were available, recently submitted, or certain data requirements have been waived. The terms "cancelled", "suspended", and "no current registrations" mean that there are no known active registrations of the chemicals. The term "Defer requirements to Standard" means that the standard is planned to be developed within two years hence and the chronic requirements will be addressed in the standard.

The status of these clusters and the chemicals are as follows.

o Data Call-In Cluster #1 consists of insecticides used on corn, alfalfa and sorghum (I-2).

Chemical	Status
Bufencarb	Decision reached - cancelled.
Carbofuran	Decision reached - chronic data base complete.
Carbophenothion	Decision reached - chronic data being generated.
Chlorpyrifos	Decision reached - chronic data base complete.
Disulfoton	Decision reached - chronic data being generated.
Ethoprop	Decision reached - chronic data base complete.
Fensulfothion	Decision reached - chronic data being generated.
Fonofos	Decision reached - chronic data being generated.

DATA CALL-IN STATUS OF CHEMICALS

Phorate	Decision reached - chronic data being generated.
TEPP	Decision reached - suspended/cancelled.
Terbufos	Decision reached - no added data required.
Trichlorfon	Decision reached - chronic data base complete.
Trimethacarb (Landrin)	Decision reached - chronic data being generated.

o Data Call-In Cluster #2 consists of insecticides used on citrus and grapes (I-4).

Chemical	Status
Chlorobenzilate	Decision reached - chronic data being generated.
Cryolite	Decision reached - chronic data deferred.
Dimethoate	Decision reached - chronic data base being generated
Dioxathion	Decision reached - defer requirements to standard.
Ethion	Decision reached - chronic data being generated.
Formetanate hydrochloride	Decision reached - defer requirements to standard.
Naled	Decision reached - chronic data being generated.
Tetradifon	Decision reached - product use pattern not subject to CORT requirements.

o Data Call-In Cluster #3 consists of insecticides used on cotton, soybeans, peanuts, wheat and tobacco (I-1).

Aldicarb	Decision reached - chronic data base complete.
Bollex	Decision reached - chronic data base complete.
Chlordimeform/ Chlordimeform HCL	Decision reached - chronic data base complete.
Demeton	Decision reached - chronic data being generated.
Diflubenzuron	Decision reached - chronic data base complete.
Endrin	Decision reached - chronic data base complete.
EPN	Letter issued 5/31/85.
Fenvalerate	Decision reached - chronic data base complete.
Gossyplure	Decision reached - chronic data base complete.
Grandlure	Decision reached - chronic data base complete.
Heliothis virus	Decision reached - chronic data base complete.
Methyl Parathion	Decision reached - chronic data being generated.
Monocrotophos	Decision reached - chronic data base complete.
Parathion	Decision reached - chronic data being generated.

DATA CALL-IN STATUS OF CHEMICALS

Permethrin	Decision reached - chronic data base complete.
Phosphamidon	Decision reached - chronic data being generated.
Toxaphene	Decision reached - no added data required at this time.

- Data Call-In Cluster #4 consists of herbicides used on corn (H-2).

Chemical	Status
Alachlor	Decision reached - chronic data base complete.
Atrazine	Decision reached - defer requirements to standard.
Butylate	Decision reached - chronic data being generated.
Cyanazine	Decision reached - defer requirements to standard.
Cyprazine	Decision reached - Suspension/Cancellation.
Dicamba	Decision reached - defer requirements to standard.
EPTC	Decision reached - chronic data being generated.
Simazine	Decision reached - defer requirements to standard.
TCBC	Decision reached - cancelled/suspended.

- Data Call-In Cluster #5 consists of herbicides used on soybeans, cotton, peanuts and alfalfa (H-3).

Acifluorfen	Decision reached - chronic data base complete.
Bentazon (and sodium form)	Decision reached - chronic data base complete.
CAMA	Decision reached - chronic data being generated.
DAMA	Decision reached - chronic data being generated.
2,4-DB	Decision reached - chronic data base complete.
Dichlofop methyl	Decision reached - suspended.
Dinitramine	Decision reached - defer requirements to standard.
Dipropetryn	Decision reached - chronic data being generated.
DSMA	Decision reached - cancelled.
EGT	Decision reached - chronic data not applicable.
Ethylene Glycol Bis(Trichloroacetate)	Decision reached - chronic data being generated.
Fluchloralin	Decision reached - chronic data base complete.
Glyphosate (Round-up)	Decision reached - chronic data base complete.
Metribuzin	Decision reached - defer requirements to standard.
Naptalam	Decision reached - cancelled.
Nitralin	

DATA CALL-IN STATUS OF CHEMICALS

Norflurazon	Letter issued 7/25/83.
Oryzalin	Decision reached - chronic data base complete.
Oxyfluoren	Decision reached - chronic data base complete.
Pendimethalin	Decision reached - chronic data base complete.
Perfluidone	Decision reached - no added data required.
Profluralin	Decision reached - cancelled.
Pronamide	Decision reached - chronic data being generated.
Propachlor	Decision reached - chronic data being generated.
Vernolate	Decision reached - chronic data being generated.

o Data Call-In Cluster #6 consists of fungicides used on vegetables (F-3).

Chemical	Status
Anilazine	Decision reached - defer requirements to standard.
Calcium Cyanamide	Decision reached - cancelled.
DCNA	Decision reached - defer requirements to standard.
Hexachlorophene	Letter issued 6/4/85.
Triadimefon	Decision reached - chronic data base complete.

o Special Data Call-In Fungicide Project consists of certain large volume fungicides which will be processed through DCI and subject to comparative risk analysis.

Captafol	Decision reached - chronic data being generated.
Chlorothalonil	Decision reached - chronic data base complete.
Copper (Bordeaux mixture)	Decision reached - chronic data not applicable.
Copper Carbonate	Decision reached - chronic data not applicable.
Copper Naphthenate	Decision reached - chronic data not applicable.
Copper Oxide	Decision reached - chronic data not applicable.
Copper Oxychloride	Decision reached - chronic data not applicable.
Copper Quinolinolate	Decision reached - chronic data not applicable.
Copper Sulfate Basic	Decision reached - chronic data not applicable.
Copper Sulfate Monohydrate	Decision reached - chronic data being generated.
Dinocap	Decision reached - chronic data base complete.
Dodine	
Ferbam	

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DATA CALL-IN STATUS OF CHEMICALS

o Folpet	Decision reached - chronic data being generated.
Thiram	Decision reached - chronic data base complete

Special Data Call-In Fumigant Project consists of certain large volume fumigants which will be processed through DCI and subject to comparative risk analysis.

Chemical	Status
Carbon disulfide	Decision reached - defer requirements to standard.
Ethylene dichloride	Decision reached - chronic data base complete.
Methyl Bromide	Decision reached - chronic data being generated.

o RPAR Decision Data Call-In.

Benomyl	Decision reached - field monitoring study being generated.
EBDC's	
Amobam	Decision reached - suspended.
Mancozeb	Decision reached - chronic data being generated.
Maneb	Decision reached - chronic data being generated.
Metiram	Decision reached - chronic data being generated.
Nabam	Decision reached - chronic data being generated.
Zineb	Decision reached - suspended.
Piperonyl Butoxide	Decision reached - chronic data being generated.
Treflan	Decision reached - chronic data being generated.

o Wood preservatives for industrial, commercial and marine use (R-7).

Calcium Arsenate	Decision reached - chronic and groundwater data being generated.
Potassium bifluoride	Decision reached - defer requirements to standard.

o Fungicides used as seed treatments (F-5).

Chloronitropropane	Decision reached - cancelled/discontinued.
Fenaminosulf	Decision reached - defer requirements to standard.
Hexachlorobenzene	Decision reached - defer requirements to standard.
PCNB	Letter issued 5/8/85.

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DATA CALL-IN STATUS OF CHEMICALS

o Preservatives, disinfectants, slimicides, unclassified uses (R-11).

Chemical	Status
Abietylamine	Decision reached - cancelled.
Chlorobenzene	Decision reached - defer requirements to standard.
Chromic acid	Decision reached - defer requirements to standard.
Dowicil A-40	Decision reached - defer requirements to standard.
Dowicide 31,32	Decision reached - defer requirements to standard.
Hexylene glycol	Decision reached - defer requirements to standard.
Lime	Decision reached - defer requirements to standard.
Nitrapyrin	Decision reached - defer requirements to standard.
Potassium iodate	Decision reached - defer requirements to standard.
Potassium permanganate	Decision reached - defer requirements to standard.
Sodium omadine	Decision reached - chronic data base complte

o Insecticides used on fruit and nut trees excluding citrus and grapes (I-3).

Azinphos methyl	Decision reached - chronic data base complete.
Chloropropylate	Decision reached - cancelled/discontinued.
Cyhexatin	Decision reached - chronic data base complete.
Diazinon	Decision reached - chronic data being generated.
Diamidofos	Decision reached - no data required at this time.
Dormant oil	Decision reached - no additional chronic data needed.
2-Naphthol & B-Naphthol	Decision reached - cancelled/suspended.
Ovex	Decision reached - cancelled/discontinued.
Phosmet	Decision reached - chronic data being generated.
Propargite	Decision reached - chronic data base complete.
Sodium Pentachlorophenate	Letter issued 11/15/84.
Tetrasul	Decision reached - cancelled/discontinued.
Vendex	Decision reached - chronic data base complete.

o Herbicides used on sorghum, rice and small grains (H-4).

Barban	Decision reached - chronic data being generated.
Bromoxynil	Decision reached - chronic data being generated.
Butachlor	Decision reached - cancelled/discontinued.
Difenzoquat	Decision reached - chronic data being generated.

DATA CALL-IN STATUS OF CHEMICALS

Methazole	Decision reached - chronic data base complete.
Molinate	Decision reached - chronic data being generated.
Oxadiazon	Decision reached - defer requirements to standard.
Picloram	Decision reached - defer requirements to standard.
Propanil	Decision reached - chronic data being generated.
Propazine	Decision reached - chronic data base complete.
Terbutryn	Decision reached - chronic data being generated.
Triallate	Decision reached - chronic and groundwater data being generated.

o Insecticides used on vegetables (I-5).

Chemical	Status
Bacillus thuringiensis	Decision reached - biorational.
Malathion	Decision reached - chronic data being generated.
Methoxychlor	Decision reached - chronic data being generated.
Mevinphos	Decision reached - cort data being generated.
Nicotine	Decision reached - chronic data base complete.
Nicotine sulfate	Decision reached - chronic data base complete.
Oxamyl	Decision reached - chronic data base complete.
Oxydemeton methyl	Decision reached - chronic data being generated.
Pirimicarb	Decision reached - cancelled/discontinued.
Pirimiphos-ethyl	Decision reached - defer requirements to standard.
Pirimophos-methyl	Decision reached - chronic data not applicable.
Rotenone	Decision reached - no addtional data required.
Ryanodine	Letter issued 11/30/83.
Sabadilla alkaloids	Letter issued 4/15/85.

o Herbicides used on citrus, tree fruits, nuts, and sugar cane (H-5).

Ametryn	Decision reached - chronic data being generated.
Asulam	Decision reached - chronic data base complete.
Dichlobenil	Decision reached - chronic data being generated.
Hexazinone	Decision reached - defer requirements to standard.
Napropamide	Decision reached - chronic data base complete.
Paraquat	Letter issued 5/31/85.

DATA CALL-IN STATUS OF CHEMICALS

- Herbicides used on vegetables and tobacco (H-9).

Chemical	Status
Bis (ethylxanthic Disulfide)	Decision reached - chronic data being generated.
CDAA	Decision reached - cancelled/suspended.
Chlorpropham	Decision reached - chronic data base complete.
Chloroxuron	Letter issued 12/31/84
Diphenamid	Decision reached - chronic data being generated.
Endothall	Decision reached - chronic data being generated.
Merphos	Decision reached - chronic data being generated.
Nitrofen	Decision reached - cancelled.
Prometryn	Decision reached - chronic data being generated.

- Fungicides used on walnuts, pecans, almonds, apples, pears, peaches, cherries, plums, prunes, and grapes (F-2)

Ammonium Polysulfide	Decision reached - suspended.
Dithianon	Decision reached - suspended.
2,2-Dithiobisbenzothiazole	Decision reached - cancelled/suspended.
Fentin hydroxide	Decision reached - defer requirements to standard.
Glyodin	Decision reached - cancelled/suspended.
Oxythioquinox	Decision reached - chronic data being generated.
Sodium Polysulfide	Decision reached - suspended.
Streptomycin	Decision reached - chronic data not applicable.
Ziram	Decision reached - chronic data being generated.

- Herbicides used on sugar beets, beans and peas (H-6).

Cycloate	Decision reached - chronic data being generated.
Dalapon	Decision reached - chronic data being generated.
Desmedipham	Decision reached - chronic data being generated.
Diallate	Decision reached - defer requirements to standard.
Dinoseb	Decision reached - chronic and groundwater data being generated.
Ethofumesate	Decision reached - chronic data being generated.
MCPB	Decision reached - chronic data requirements deferred pending receipt and evaluation of other data being required.

DATA CALL-IN STATUS OF CHEMICALS

Pebulate	Decision reached - chronic and groundwater data being generated.
Phenmedipham	Decision reached - chronic data being generated.
Propham	Decision reached - chronid data being generated.
Pyrazon	Decision reached - chronic data being generated.
Sodium TCA	Decision reached - cancelled/suspended.

o Herbicides used on drainage ditches, rights of way, forestry, and ponds (H-7).

Chemical	Status
Acrolein	Decision reached - chronic data being generated.
Diquat Dibromide	Decision reached - chronic data base complete; groundwater data being generated.
Tebuthiuron	Decision reached - chronic data base complete.
2,3,6 Trichlorobenzoic Acid	Decision reached - awaiting response from registrant.
Fenac	Decision reached - chronic data being generated.
Karbutilate	Decision reached - cancelled/suspended.
MAMA	Decision reached - cancelled.
MSMA	Decision reached - chronic data being generated.
OAMA	Decision reached - chronic data being generated.
Prometon	Decision reached - chronic data being generated.

o Insecticides used as mosquito larvicides (I-12).

Fenthion	Decision reached - chronic data base complete.
Kerosene	Decision reached - no additional data required.

o Insecticides used on livestock and domestic animals (I-6).

Benzene	Decision reached - chronic data not applicable.
Benzyl Benzoate	Decision reached - no data required at this time.
Bomyl	Decision reached - product use pattern not subject
Bone oil	Letter issued 5/1/84.
Butoxypolypropylene Glycol	Letter issued 5/23/85.
Chlorfenvinphos	Decision reached - chronic data being generated.
Crotoxyphos	Letter issued 8/31/84.
Crufomate	Decision reached - suspended.

DATA CALL-IN STATUS OF CHEMICALS

Dichlorvos	Decision reached - chronic data being generated.
Diisobuthyl phenoxyethanol	Decision reached - no data required at this time.
Diphenylamine	Decision reached - chronic data base complete.
Famphur	Decision reached - no data required at this time.
Lindane	Decision reached - chronic data being generated.
Linseed Oil	Decision reached - chronic data not applicable.
Muscalure	Decision reached - no additional data required.
Piperazine dihydrochloride	Decision reached - product use pattern not subject to CORT requirements.
Tabutrex	Decision reached - cancelled/suspended.
Tetrachlorvinphos	Decision reached - chronic data being generated.

o Insecticides used as fumigants and nematicides (I-9).

Chemical	Status
Calcium Cyanide	Letter issued 12/21/84.
4-Chloropyridine n-oxide	Decision reached - cancelled.
Carbon Disulfide	Decision reached - cancelled/suspended.
Carbon Tetrachloride	Decision reached - cancelled/suspended.
Chloroform	Decision reached - cancelled.
1,2-Dichloropropane	Decision reached - cancelled/suspended.
1,3-Dichloropropene	Decision reached - chronic and groundwater data being generated.
Epichlorhydrin	Decision reached - chronic data not applicable.
Ethylene Dibromide	Letter issued 4/4/84.
Ethylene Dichloride	Decision reached - cancelled/suspended.
Ethylene Oxide	Decision reached - chronic data base complete.
Ethyl Formate	Decision reached - cancelled.
Fenamiphos	Decision reached - chronic and groundwater data being generated.
Fosthietan	Decision reached - cancelled.
Hydrogen Cyanide	Decision reached - no data required at this time.
Metam Sodium	Decision reached - chronic and groundwater data being generated.
Methyl Bromide	Decision reached - residue and related data being generated.
Methylene Chloride	Decision reached - no data required at this time.
Propylene Oxide	Letter sent 8/30/85.
Sulfotepp	Decision reached - chronic data not applicable.

- Insecticides used for termite control (I-10).

Chemical	Status
Aldrin	Decision reached - no additional data required.
Chlordane	Decision reached - no additional data required.
Dieldrin	Decision reached - no additional data required.
Heptachlor	Decision reached - no additional data required.

- Insecticides used on lawns, ornamentals, and forest trees (I-11).

Aminocarb	Decision reached - groundwater data being generated.
Bacillus Popillae	Decision reached - no data required at this time.
Fenitrothion	Decision reached - chronic data being generated.
Oftanol	Decision reached - groundwater data being generated.

- Fungicides used on citrus (F-4).

Biphenyl	Decision reached - chronic data base complete.
Sec-Butylamine	Letter issued 12/19/84.
Thiabendazole	Decision reached - chronic and groundwater data base complete.

- Disinfectants used for medical, industrial, institutional, household, veterinary, poultry, and livestock use (R-8).

Formaldehyde	Decision reached - chronic data being generated.

- Plant regulators, defoliants, and desiccants used for all uses (R-10).

Cacodylic Acid	Decision reached - chronic data being generated.
Cycocel	Decision reached - chronic data base complete.
Ethiofencarb	Decision reached - no data required at this time.
Fosamine Ammonium	Decision reached - no data required at this time.
Gibberellins	Decision reached - chronic data being generated.
Maleic Hydrazide	Letter issued 9/27/84.
Mefluidide	Decision reached - chronic data base complete.
Sulfuric Acid	Decision reached - chronic data not applicable.

DATA CALL-IN STATUS OF CHEMICALS

Thidiazuron	Decision reached - chronic data base complete.
S,S,S,-tributyl phosphoro-trithioate	Letter issued 1/21/85.

o Herbicides used on turf (H-8).

Chemical	Status
Bensulide	Decision reached - chronic data being generated.
Butralin	Decision reached - chronic data being generated.
Dazomet	Decision reached - environmental fate data not applicable.
Mecoprop	Decision reached - groundwater data being generated.
Siduron	Letter issued 10/21/84.
Terbutol	Decision reached - cancelled/suspended.

o Insecticides used as domestic bug control and in food processing plants (I-8).

Allethrin	Decision reached - chronic data being generated.
Amdro	Decision reached - chronic data base complete.
Ethylene Glycol Ester of Pinene	Decision reached - cancelled.
MGK-264	Decision reached - chronic data being generated.
Pyrethrins	Decision reached - chronic data being generated.

o Herbicides used for unclassified uses (H-10).

Ethylene	Decision reached - chronic data base complete.
Neburon	Decision reached - cancelled/suspended.

o Molluscides and miscellaneous vertebrate control agents used for all uses (R-12).

Methiocarb (Mesurol)	Decision reached - chronic data base complete.

o Insecticides used for miscellaneous uses (I-13).

Mobam	Decision reached - cancelled.

DATA CALL-IN STATUS OF CHEMICALS

Lead Arsenate	Letter issued 10/31/84.
Sodium Arsenate	Decision reached - chronic data not applicable.

- Chemicals used as food preservatives in food (R-6).

Chemical	Status
Acetic Acid	Decision reached - no data required at this time.
Benzoic Acid	Decision reached - chronic data not applicable.
Methyl P-Hydroxybenzoate	Decision reached - chronic data not applicable.
Proxel	Decision reached - chronic data not applicable.
Tributyltin Chloride	Decision reached - chronic data not applicable.

- Chemicals used as sanitizers for use in dairies, food processing, restuarants, and air treatment (R-4).

Butanoic Anhydride	Decision reached - chronic data not applicable.

- Chemicals used as slimicides for use in pulp and paper cooling towers, and sugar mills (R-2).

Copper zinc chromate	Decision reached - suspended.

- Fungicides used on turf (F-9).

Iprodione	Decision reached - chronic data being generated.
Thiophanate Methyl	Decision reached - defer requirements to standard.

- Chemicals used as fungicides for use on post-harvest fruit and vegetables (F-6).

Isothan O	Decision reached - chronic data not applicable.
Sodium Dehydroacetate	Letter issued 9/6/85.

- Chemicals used as fungicides for use on grain storage (F-7).

Isobutyric Acid	Decision reached - cancelled.
Propionic Acid	Decision reached - chronic data base complete.

- Chemicals used as fungicides for use on ornamentals (F-8).

Chemical	Status
Triforine	Decision reached - chronic data complete.

- Chemicals used as industrial preservatives for use in plastics, paints, textiles, paper and adhesives (R-1).

2,4,5-Trichlorophenol	Decision reached - cancelled/suspended.

- Chemicals used as insecticide synergists, surfactants, cheleating agents, and carriers (R-5).

n-Propyl Isome	Decision reached - suspended.

- Chemicals used as bird chemosterilants, toxicants, and repellants (R-13).

Polybutene	Decision reached - chronic data not applicable.

Chemicals not previously designated in a chemical cluster.

Aramite	Decision reached - chronic data not applicable.
Barium Metaborate	Decision reached - no data required at this time.
Benfluralin	Decision reached - chronic data being generated.
Bis (Tributyltin) Oxide	Decision reached - chronic data being generated.
Butonate	Decision reached - suspended.
2-Butoxyethanol	Letter issued 9/27/85.
Chlorbenside	Decision reached - no data required at this time.
Chlorbromuron	Decision reached - no data required at this time.
Chlorosulfamic Acid	Decision reached - chronic data not applicable.
Chlorotoluene	Decision reached - no data required at this time.
Chromated Zinc Chloride	Decision reached - no data required at this time.
Cloprop	Decision reached - chronic data being generated.
Colletotrichum Gloeosporioides	Decision reached - no data required at this time.
Acid Copper Chromate	Decision reached - cancelled/suspended.
Copper Linoleate	Decision reached - no data required at this time.

DATA CALL-IN STATUS OF CHEMICALS

Copper Sulfate Pentahydrate	Decision reached - chronic data not applicable.
4-CPA	Letter issued 12/31/84.
Diamidofos	Decision reached - no data required at this time.
O-O-Diethyl-o-phenyl-phosphorothioate	Decision reached - no data required at this time.
Dimethyl Formamide	Decision reached - no data required at this time.
2-6-Dimethyl-4-Tri-decyclomorpholine	Decision reached - no data required at this time.
Dipropyl Isocin-chomeronate	Decision reached - chronic data being generated.
Ethiolate	Decision reached - no data required at this time.
Ethylene Glycol	Decision reached - chronic data not applicable.
Fluazifop-butyl	Decision reached - chronic data base complete.
Fluorodifen	Decision reached - no data required at this time.
Glyphosine	Decision reached - cancelled.
Harvade	Decision reached - chronic data base complete.
(z)-11-Hexadecenal	Decision reached - no data required at this time.
Hirsutella Thompsonii	Decision reached - no data required at this time.
Hydrogenated Castor Oil	Decision reached - chronic data not applicable.
Imazalil	Decision reached - chronic data base complete.
3-Iodo-z-propynl Buthylcarbamate	Letter issued 12/26/84.
Magnesium Arsenate	Decision reached - chronic data not applicable.
Manganeous Dimethyldithio-carbamate	Letter issued 4/23/85.
Mepiquat Chloride	Letter issued 2/14/85.
2-(1-Methylethoxy)phenol methylcarbamate	Decision reached - chronic data base complete.
Methyl Isothiocyanate	Decision reached - chronic and groundwater data being generated.
Metobromuron	Decision reached - suspended.
Mineral Oil	Decision reached - no data required at this time.
MV-678	Decision reached - chronic data not applicable.
b-Naphthoxy acetic Acid	Letter issued - 5/23/85.
Neodecanoic Acid	Decision reached - chronic data not applicable.
Nosema Locustae	Decision reached - chronic data not applicable.
(E,Z)-3,13-Octadecadien-ol-acetate	Decision reached - chronic data not applicable.
(Z,Z)-3,13-Octadecadien-ol-acetate	Decision reached - chronic data not applicable.

DATA CALL-IN STATUS OF CHEMICALS

Octhilinone	Decision reached - no data required at this time.
Orthophenylphenol	Decision reached - chronic data being generated.
Oxytetracycline Hydrochloride	Decision reached - chronic data base complete.
Pentane	Decision reached - cancelled/suspended.
Perthane	Decision reached - cancelled/suspended.
Phytophthora Palmivora	Decision reached - chronic data not applicable.
Pine Oil	Letter issued 9/30/85.
Plant Volatiles/Pheromone	Decision reached - chronic data not applicable.
Polyamide Polymer	Decision reached - chronic data not applicable.
Potassium Arsenite	Decision reached - chronic data not applicable.
Potassium Oleate	Decision reached - chronic data not applicable.
Potassium Sorbate	Decision reached - no data required at this time.
Profenofos	Decision reached - chronic data base complete.
Propargl Bromide	Decision reached - chronic data not applicable.
Ronnel	Decision reached - cancelled/suspended.
Schradan	Decision reached - chronic data not applicable.
Secbumeton	Decision reached - chronic data not applicable.
Sesone	Decision reached - no data required at this time.
Sethoxydim (ISO)	Decision reached - chronic data base complete.
Sodium Chlorate	Decision reached - subchronic data being generated.
Sodium Diacetate	Decision reached - chronic data not applicable.
Sodium Propionate	Decision reached - chronic data not applicable.
Sodium Tetrachlorophenates	Decision reached - suspended.
Sulfallate	Decision reached - suspended.
Sulfur Dioxide	Decision reached - chronic data not applicable.
Sulphenone	Decision reached - chronic data not applicable.
Tartar Emetic	Decision reached - cancelled/suspended.
TCMTB	Decision reached - chronic data being generated.
Terbuthylazine	Decision reached - chronic data base complete.
Terpene Polychlorinates	Decision reached - chronic data not applicable.
Tetrachloroethylene	Decision reached - suspended.
1,2,4,5-Tetrachloro-3-nitrobenzene	Letter issued 9/23/85.
Tetrachlorophenol	Letter issued 1/31/85.
Tetraiodoethylene	Decision reached - suspended.
Thiobencarb	Decision reached - chronic data base complete.
Thionazin	Decision reached - chronic data not applicable.
2,3,6-Trichlorophenylacetic Acid	Decision reached - cancelled/suspended.

DATA CALL-IN STATUS OF CHEMICALS

(E)-4-Tridecen-1-yl-acetate	Decision reached - chronic data not applicable.
(Z)-4-Tridecen-1-yl-acetate	Decision reached - chronic data not applicable.
2,3,5-Triiodobenzoic Acid	Decision reached - cancelled.
Vinclozolin	Decision reached - chronic data base complete.
Zinc Napthenate	Letter issued 12/6/84.

Special Data Call-In Project involves reassessment of the registration status of particular fungicides which are used on crops.

Chemical	Status
Amobam	Decision reached - suspended.
Mancozeb	Decision reached - data being generated.
Maneb	Decision reached - data being generated.
Metiram	Decision reached - data being generated.
Nabam	Decision reached - data base complete.
Zineb	Decision reached - suspended.

Special Data Call-In Project involves pesticides which may present a hazard for re-entry of fields after pesticide application.

Azinphos Methyl	Decision reached - re-entry protection data being generated.
Methyl Parathion	Decision reached - re-entry data base complete.
Mevinphos	Decision reached - re-entry data base complete.
Oxydemeton Methyl	Letter issued 2/28/85.
Pentachlorophenol	Decision reached - no data required at this time.
Phosmet	Letter issued 2/28/85.
Phosphamidon	Letter issued 2/28/85.

Special Data Call-In Groundwater Project consists of pesticide chemicals in groundwaters.

- Fungicides used for a broad spectrum of uses (F-1).

Copper Napthenate	Letter issued 12/26/84.
Copper Oleate	Decision reached - no data required at this time.
Copper 8-Quinolinolate	Letter issued 12/26/84.
EBDC	
Amobam	Decision reached - suspended.

DATA CALL-IN STATUS OF CHEMICALS

Mancozeb	Decision reached - chronic data being generated.
Maneb	Decision reached - groundwater data being generated.
Metiram	Decision reached - chronic data being generated.
Nabam	Decision reached - no groundwater data required at this time.
Zineb	Decision reached - suspended.

- Fungicides used on walnuts, pecans, almonds, apples, pears, peaches, cherries, plums, prunes, and grapes (F-2).

Chemical	Status
2,2-Dithiobisbenzothiazole	Decision reached - cancelled/suspended.
Ferbam	Decision reached - groundwater data being generated.
Ziram	Decision reached - groundwater data being generated.

- Fungicides used on vegetables (F-3).

Triadimefon	Decision reached - groundwater data base complete.

- Herbicides used on soybeans, cotton, peanuts, and alfalfa (H-3).

Diclofop methyl	Decision reached - groundwater data base complete.
Dipropetryn	Decision reached - groundwater data being generated.
DMSA	Groundwater data base complete.
Fluometuron	Decision reached - groundwater data being generated.
Metribuzin	Decision reached - groundwater data base complete.
Naptalam	Letter issued 10/31/84.
Propachlor	Letter issued 7/25/84.
Vernolate	Decision reached - groundwater data being generated.

- Herbicides used on sorghum, rice, and small grains (H-4).

Bromoxynil	Decision reached - groundwater data base complete.
Difenzoquat	Decision reached - groundwater data base complete.
Molinate	Decision reached - groundwater data being generated.
Propanil	Decision reached - groundwater data being generated.
Propazine	Letter issued 7/18/84.
Terbutryn	Decision reached - groundwater data being generated.

DATA CALL-IN STATUS OF CHEMICALS

- Herbicides used on citrus, tree fruits, nuts, and sugarcane (H-5).

Chemical	Status
Ametryn	Decision reached - groundwater data being generated.
Asulam	Decision reached - groundwater data base complete.
Dichlobenil	Deicison reached - groundwater data base complete.
Napropamide	Decision reached - groundwater data being generated.

- Herbicides used on sugar beets, beans, and peas (H-6).

Cycloate	Decision reached - groundwater data being generated.
Desmedipham	Decision reached - groundwater data base complete.
Phenmedipham	Decision reached - groundwater data base complete.
Propham	Decision reached - groundwater data base complete.

- Herbicides used on drainage, ditches, rights-of-way, forestry, and ponds (H-7).

MSMA	Decision reached - groundwater data base complete.
Prometon	Decision reached - groundwater data being generated.

- Herbicides used on vegetables and tobacco (H-9).

CDAA	Decision reached - cancelled/suspended.
Chlorpropham	Decision reached - groundwater data base complete.
DCPA	Decision reached - groundwater data base complete.
Diphenamid	Decision reached - groundwater data being generated.
Endothall	Decision reached - groundwater data being generated.
Prometryn	Decision reached - groundwater datta base complete.

- Insecticides used on cotton, soybeans, peanuts, wheat, and tobacco (I-1).

Demeton	Decision reached - groundwater data base complete.
Diflubenzuron	Decision reached - groundwater data being generated.
Monocrotophos	Decision reached - groundwater data base complete.
Phosphamidon	Decision reached - groundwater data being generated.

DATA CALL-IN STATUS OF CHEMICALS

- Insecticides used on corn, alfalfa, and sorghum (I-2).

Chemical	Status
Bufencarb	Decision reached - cancelled.

- Insecticides used on fruit and nut trees, excluding citrus and grapes (I-3).

Diazinon	Decision reached - groundwater data base complete.
Dinocap	Decision reached - groundwater data being generated.
Phosmet	Decision reached - groundwater data being generated.

- Insecticides used on vegetables (I-5).

Mevinphos	Decision reached - chronic data base complete.
Oxamyl	Decision reached - groundwater data being generated.
Oxydemeton-methyl	Decision reached - groundwater data base complete.

- Insecticides used for domestic bug control and in food processing plants (I-8).

Azinphos-methyl	Decision reached - groundwater data base complete.
Bendiocarb	Decision reached - groundwater data base complete.

- Insecticides used as fumigants and nematicides (I-9).

Methyl Bromide	Decision reached - groundwater data being generated.

- Plant regulators, defoliants, and desiccants used for all uses (R-10).

Cacodylic Acid	Decision reached - groundwater data base complete.
Cycocel	Decision reached - no groundwater data required at this time.
Maleic Hydrazide	Decision reached - groundwater data being generated.
Thidiazuron	Decision reached - groundwater data base complete.

- Molluscides and miscellaneous vertebrate control agents used for all uses (R-12).

Methiocarb (Mesural)	Decision reached - groundwater data base complete.

SEPTEMBER 1987

DATA CALL-IN STATUS OF CHEMICALS

Special Data Call-In Project involving pesticides as a result of the ongoing special review of Inorganic Arsenicals (non-wood uses).

Arsenic Acid	Letter issued 2/10/86.
Arsenic Trioxide	Letter issued 1/28/86.
Calcium Arsenate	Letter issued 1/28/86.
Copper Acetoarsenite	Decision reached - cancelled.
Lead Arsenate (Basic/Standard)	Decision reached - cancelled/suspended.
Sodium Arsenate	Letter issued 1/28/86.
Sodium Arsenite	Letter issued 3/4/86.

Special Data Call-In Project involving pesticides as a result of the 1955 Spray Residue Hearing.

Carbon Carbonate	Letter issued 5/27/86.
Copper Oxychloride	Letter issued 5/28/86.
Cuprous Oxide	Letter issued 5/27/86.
Ferbam	Letter issued 5/30/86.
Glyodin	Letter issued 5/27/86.
Methoxychlor	Letter issued 5/28/86.
MGK-264	Letter issued 5/27/86.
Nicotine	Letter issued 5/30/86.
Nicotine Sulfate	Letter issued 5/30/86.
Phenothiazine	Letter issued 5/30/86.
Piperonyl Butoxide	Letter issued 5/27/86.
Pyrethrin	Letter issued 5/27/86.
Rotenone	Letter issued 5/28/86.
Ryania	Letter issued 5/27/86.
Sabadilla	Letter issued 5/27/86.
Ziram	Letter issued 5/29/86.

Special Data Call-In Project involving pesticides to determine reentry intervals.

Carbophenothion	Letter issued 5/27/86.
Diazinon	Letter issued 5/30/86.
Endosulfan	Decision reached - data being generated.
Malathion	Letter issued 5/27/86.

DATA CALL-IN STATUS OF CHEMICALS

Methiocarb	Letter issued 5/27/86.
Oxamyl	Letter issued 5/27/86.
Propargite	Letter issued 5/22/86.

Comprehensive Data Call-In Project involving pesticides for which Registration standards have not been issued.

Maneb	Letter issued 4/1/87.
Methazole	Letter issued 4/1/87.
Metiram	Letter issued 4/1/87.
Zineb	Letter issued 4/1/87.

Special Data Call-In Project involving certain Pestides (Diphenyl ethers) with the potential to be leached into groundwater.

Acifluorfen	Letter issued 8/25/87
Diclofop methyl	Letter issued 8/25/87
Fluazifop-butyle	Letter issued 8/25/87
Lactofen	Letter issued 8/25/87

OTHER REGISTRATION ACTIVITIES

PESTICIDE PROGRAM ACCOMPLISHMENTS IN FY 87*
(Comparison of RD FY 86/87 Statistics)

Types of Registration Actions	Operating Plan 86/87	RECEIPTS		ACCOMPLISHMENTS						
		Receipts 86/87	% Change Over 86	Rejections 86/87	Final Accept. 86/87	With-drawals 86/87	Provi-sional Accep-tance-86/87	Interim Replies 86/87	Total Actions 86/87	% Change Over 86
New Chemicals	280/280	242/234	-3%	77/112	13/7	2/3	1/0	121/109	214/231	+8%
New Biologicals (Biochemical)	50/50	11/22	+100%	5/3	0/2	0/0	0/3	8/14	9/22	+144%
Old Chemicals	4300/4012	5395/3879	-28%	1730/1508	1666/1210	1083/524	12/16	956/780	5447/4038	-26%
Amended Registrations	11200/6300	8395/8724	+4%	1254/1369	3408/3538	39/6	12/12	2973/3022	7686/7947	+3%
New Uses	300/300	573/465	-19%	176/107	69/67	2/9	1/0	228/385	476/568	+19%
Emergency Exemptions	250/250	265/392	+48%	43/58	218/252	39/49	-/-	1/32	301/391	+30%
Exp. Use Permit	400/400	375/275	-22%	89/56	129/125	5/8	-/-	128/140	351/329	-6%
Temporary Tolerances	150/150	157/88	-44%	53/36	36/29	5/1	-/-	44/42	138/108	-22%
SLN State Registrations	775/475	337/429	+27%	1/5	238/224**	5/40	-/-	107/187	351/466	+33%

*These statistics are on separate registration actions including resubmissions and not on separate chemicals or original applications unless otherwise noted. These measures also give information on the volume of workload per category per year.
**Acknowledgement letters.

OTHER REGISTRATION ACTIVITIES

PESTICIDE PROGRAM ACCOMPLISHMENTS IN FY 87 (cont'd)
(Comparison of RD FY 86/87 Statistics)

Types of Registration Actions	Operating Plan 86/87	RECEIPTS		ACCOMPLISHMENTS						
		Receipts 86/87	% Change Over 86	Rejections 86/87	Final Accept. 86/87	With-drawals 86/87	Provi-sional Accep-tance-86/87	Interim Replies 86/87	Total Actions 86/87	% Change Over 86
Tolerances	475/475	498/394	-2%	222/252	63/69	21/14	-/-	135/130	441/465	+5%
Inert Clearances	60/60	55/28	-49%	0/10	12/7	0/0	0/0	31/32	43/49	+14%
Documents*										
Registration Standards									25/25	0%
Special Reviews									13/15	+15%
PD 1 or 2/3									9/7	-22%
PD 4 or Final Resolution									4/8	+100%

*These measures reflect the number of completed documents on specific chemicals. The identity of these chemicals are described elsewhere in this document.

OTHER REGISTRATION ACTIVITIES

STRATEGIC PLANNING AND MANAGEMENT SYSTEM ACCOMPLISHMENTS in FY 87

Types Of Registration Actions	Targets	Accomplishments
New Active Ingredient Chemicals (includes new biologicals)	15	9
Old Chemical Registrations	1500	1497
Registration Amendments	3100	3539
New Use Registrations	75	70
Emergency Exemption Requests (Granted & Denied)	200	265
Experimental Use Permits	N.A.	132
Temporary Tolerance Petitions	N.A.	30
Special Local Need Applications	N.A.	374
Tolerance Petitions	80	81
Inert Clearance Requests (Exemptions from the requirement of a tolerance)	N.A.	7

OTHER REGISTRATION ACTIVITIES

NEW CHEMICALS REGISTERED DURING FY 87

Chemical	Registrant	PM	Category*	Type	Use Pattern	Date of Registration
Dodecenyl acetate (Isomate-M)	Biocontrol	17	U	Insecticide	Pheromone	12/03/86
Fenoxaprop-ethyl (Whip)	Americal Hoesch	23	C	Herbicide	Rice, Soybean	2/26/87
Lactofen (Cobra)	PPG	23	U	Herbicide	Soybean	3/18/87
Chloropyralid (Lantrel)	Dow	23	U	Herbicide	Rangeland, Small grains	3/23/87
Stirrup-M	Fermon, Inc.	17	U	Insecticide	Pheromone	4/07/87
Fomesafen (Reflex)	ICI	23	C	Herbicide	Soybean	4/10/87
CGA-12223	Ciba-Geigy	16	U	Insecticide	Lawns	6/25/87
Liquid Nitrogen	Blizzard Systems	17	U	Insecticide	Termites	8/05/87
Busan 1024	Buckman	31	C	Disinfectant	Microbiocide	8/07/87

*C = Conditional Registration; U = Unconditional Registration.

OTHER REGISTRATION ACTIVITIES

NUMBER OF ACTIVE REGISTRATIONS
(through FY 87)

Type	Number
Section 3 registrations	36,435
Section 24(c) registrations	8,313
Intrastate registrations	3 391*
	48,139

*Authorized under 40 CFR 162.17; not registered under section 3 of FIFRA.

OTHER REGISTRATION ACTIVITIES

TOLERANCES ESTABLISHED FOR REGIONAL REGISTRATIONS ISSUED IN FY 87

Chemical	Crop (Specific State)	Date Established
Triforine	Asparagus (AL,CA)	10/2/86
Fluazifop-butyl	Tabasco peppers (LA)	1/21/87
Oxyfluorfen	Guava (HI)	1/21/87
Fenvalerate	Okra (FL)	2/18/87
Paraquat	Pigeon peas (PR)	3/25/87
Metolachlor	Peppers, tabasco (LA)	6/10/87
Aluminum-tris (o-ethylphosphate)	Asparagus (CA)	7/8/87
Chlorpyrifos	Dates (CA)	7/22/87
Chlorpyrifos	Leeks (NJ)	7/22/87
Paraquat	Cassava, Taniers, Yams (PR)	8/19/87

OTHER REGISTRATION ACTIVITIES

GENETICALLY-ALTERED AND NONINDIGENOUS MICROBIAL PESTICIDE ACTIVITIES DURING FY 87

Microorganism*	Requester	Date Received	Crop	Agency Decision
Informal Reviews:				
Streptomyces spp.	Biotechnica International	9/11/87	Cranberries	Notification not required (organism not genetically altered)
Notifications:				
Bacillus thuringiensis	Ecogen, Inc.	3/4/87	Potatoes	EUP Not Required
Bacillus thuringiensis	Ecogen, Inc.	3/20/87	Cotton and Vegetables	EUP Not Required
Bacillus thuringiensis	Ecogen, Inc.	4/10/87	Forest Trees	EUP Not Required
Bacillus thuringiensis	Ecogen, Inc.	7/10/87	Cotton and Vegetables	EUP Not Required
Bacillus thuringiensis	Ecogen, Inc.	7/10/87	Cotton and Vegetables	EUP Not Required
Colletotrichum gloeosporioides	University of Arkansas	4/17/87	Rice	EUP Not Required
EUP Applications:				
Pseudomonas syringae	Advanced Genetic Sciences	12/24/86	Strawberries	EUP Granted

*Separate listings for *Bacillus thuringiensis* may involve different strains or different pests on the various crops.

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lithium 13840-33-0
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sodium arsenate 7631-89-2, 10103-60-3, 13464-38-5 & 35794-26-4
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sodium pyroarsenate 13464-42-1
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calcium methanearsonate 5902-97-6
octyl ammonium 6379-37-9
docecyl ammonium 53404-47-0
Methazole S #106001 58 & 73
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